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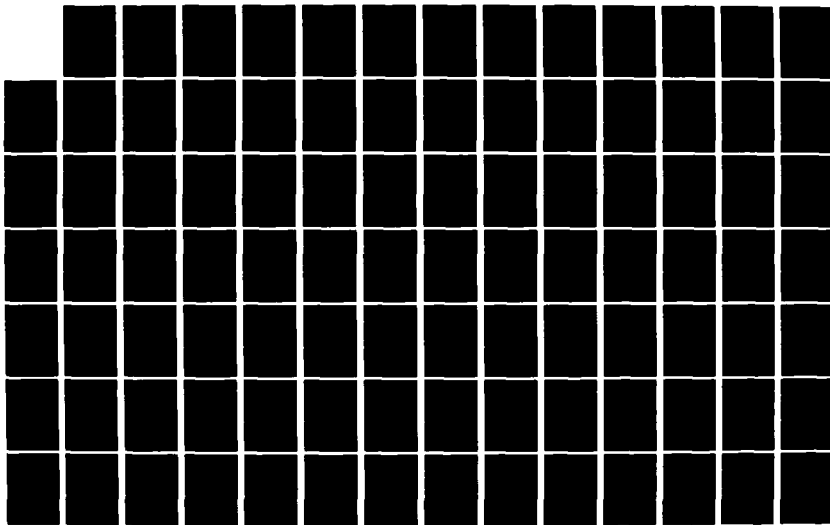
JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 54E  
CHEMICAL OPERATIONS SPE. (U) DEFENSE LANGUAGE INST  
LACKLAND AFB TX ENGLISH LANGUAGE CENTER. 16 APR 79

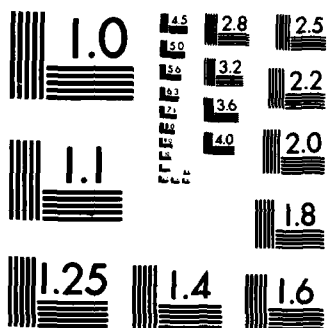
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JOB LANGUAGE PERFORMANCE REQUIREMENTS

FOR 54E

MOSS

CHEMICAL OPERATIONS SPECIALIST

REFERENCE SOLDIER'S MANUAL DATED

16 April 1979

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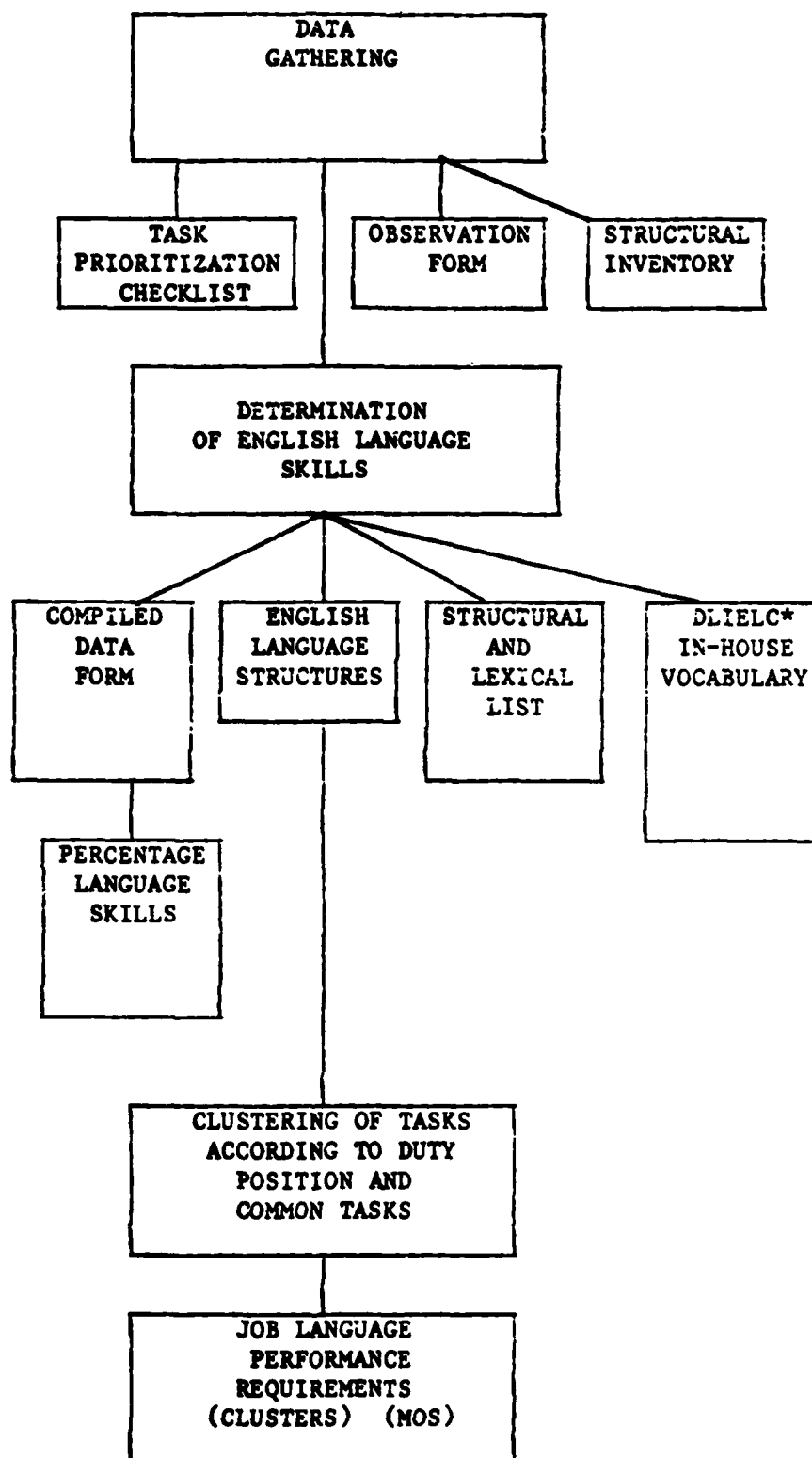


FIGURE 1

\*Defense Language Institute English Language Center



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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Job Language Performance Requirements (JLPR) study was conducted to determine language tasks the soldier must do in studying/performing job tasks. The language skills (listening, reading, writing, speaking) required to learn each Army job task were identified, conditions studied and standards determined. The data that generated the JLPR is identified.		

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## PREFACE

### INSTRUCTIONS FOR REVIEW OF JOB LANGUAGE PERFORMANCE REQUIREMENTS

This report is organized in six main sections. Sections I-IV discuss methods, forms and rationale for gathering, organizing and analyzing research data used to develop Job Language Performance Requirements (JLPR). Please look through these sections to get a general understanding of the background underlying the JLPR. Sections V and VI are the major substantive portions of the analysis. They are the results of the analysis and constitute the basis for development of any MOS-oriented English language materials. Section V contains the JLPR by cluster/topic, while Section VI contains the JLPR covering the entire range of clusters/topics.

The appendices, one through eight, contain all the information used to determine the Job Language Performance Requirements. Please write any suggestions or changes directly on the document or attach additional notes, if necessary.

The points covered in the six major sections are supported in greater detail in eight appendices. Below is an overview of these appendices.

Appendix one contains the Task Prioritization Checklist. It was taken to the field to collect the raw data. This form was approved for use by the Department of the Army.

Appendix two contains the Task Inventory Compiled Data Form. It was used to organize data from Unit and AIT respondents.

Appendix three defines the language skills by percentage. This form includes computations of language skills for each task cluster.

Appendix four contains the Observation Form used in the recording of types of listening and speaking skills required, as seen by observers, in the learning and performing of a task. The variety of environmental situations is also included on this form.

Appendix five contains the final list of structural and lexical items found through data gathering and organization.

Appendix six contains the DLIELC in-house vocabulary list. This is a task by task listing of the vocabulary extracted from the Soldier's Manual.

Appendix seven contains the machine-generated vocabulary for this MOS prepared by the United States Army Training and Doctrine Command (TRADOC), Fort Monroe, Virginia.

Appendix eight contains the list of structural and lexical items requisite to this MOS.

Thank you for your cooperation. It is greatly appreciated.

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## SECTION I

### DATA GATHERING

#### INTRODUCTION

This section discusses the procedures and forms in the gathering of data used to determine the Job Language Performance Requirements for this MOS.

## SECTION I: DATA GATHERING

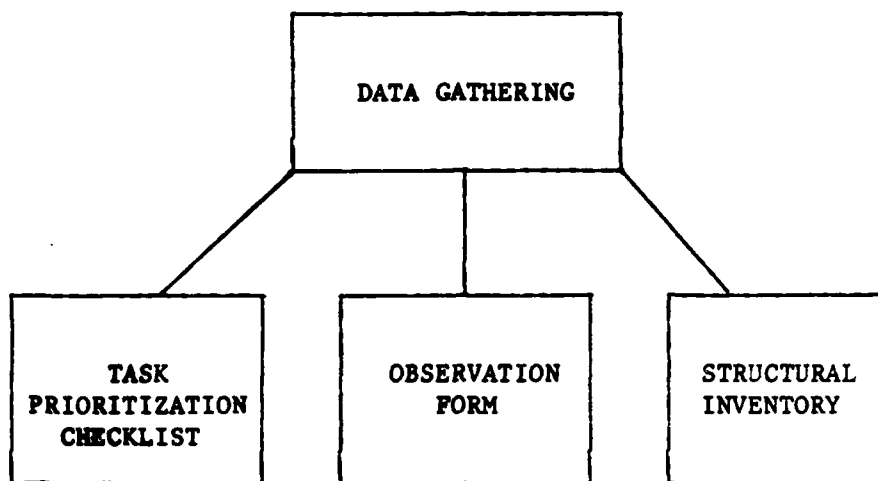


FIGURE 2

In order to establish Job Language Performance Requirements for this MOS the curriculum development specialists at the Defense Language Institute English Language Center (DLIELC) analyzed the current learning and working situations, and individual tasks. The goal was to collect data which would help identify the Job Language Performance Requirements pertinent to this MOS.

To conduct this analysis, training specialists visited the AIT School and Unit cadre. Interviews were conducted using a Task Prioritization Checklist, (Appendix 1). For each task, first-line supervisors answered the following questions:

1. Is the task taught?
2. How is the task taught?
3. Is the task tested?
4. How is the task tested?
5. How important are speaking, listening, reading and writing in learning and performing the task?
6. What are the results of poor performance in performing the task.

Additional data were gathered through use of an Observation Form and an analysis of language structures in the Soldier's Manual for this MOS.

The Observation Form (Appendix 4) was used to record actual observations of the learning situations, populations, tasks, and language.

The lexical and structural analysis was done by a panel of language specialists who first listed all structures found in the Soldier's Manual for this MOS and then all structures, standard and non-standard, noted on the Observation Forms for all vocabulary from the Soldier's Manual. All lists were then combined into an overall lexical and structural inventory.

**SUMMARY/CONCLUSION:**

The tools for data gathering were:

1. The Task Prioritization Checklist (Appendix 1)
2. The Task Inventory Compiled Data Form (Appendix 2)
3. The Observation Form (Appendix 4)
4. A Structural and Lexical Inventory (consisting of rough drafts of all vocabulary and structures in this MOS).

These tools were used to form the data pool from which the Job Language Requirements were determined.



## SECTION II

### DETERMINATION OF ENGLISH LANGUAGE SKILLS

#### INTRODUCTION

This section discusses the organization of the raw data into information used to determine the English language skills pertinent to this MOS.

## SECTION II: DETERMINATION OF ENGLISH LANGUAGE SKILLS

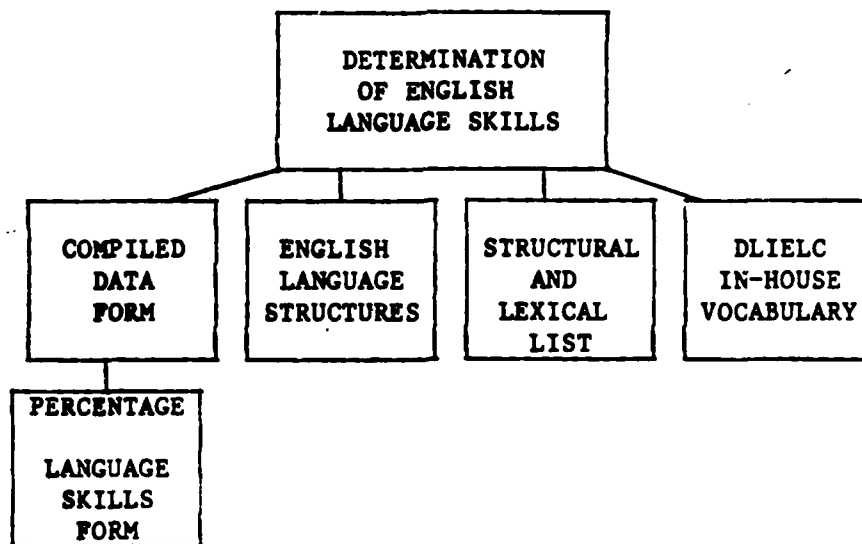


FIGURE 3

The raw data collected as described in Section II above was used to determine the English Language skills which the soldier must learn to learn and perform the task. The Compiled Data Form, Appendix 2, was used to organize the observation and analysis data. Selected information from the Task Prioritization Checklist was recorded directly on this form. Specifically three variables were used to determine the language skills involved. They were:

1. Methods of teaching.
2. Methods of testing.
3. The actual respondents' ratings of the four English language skills.

From each of the three variables the following skills were determined:

VARIABLE	ENGLISH LANGUAGE SKILLS
Methods of Teaching demonstration lecture hands on self-paced	listening, listening, writing listening reading, writing

Methods of Testing performance oral written	listening speaking writing, reading
Rating of English Language Skills listening speaking reading writing	*a response of 2 or 3 on a scale of 1 to 3 was tallied  a response of 1, 2, or 3 on a scale of 1 to 5 was tallied

\*See A1

In order to determine the relations of the various skills in the MOS, data from the three variables were tallied on the Percentage Language Skills Form. An average was then found using the following formula:

$$TR \div TxVxR = \% \text{ of use}$$

T = total number of tasks per cluster

V = language skill variable per cluster\*\*

R = maximum number of respondents in any task in that cluster

TR = total tally of responses per task per skill

% of use = use of the language skill in the task

Percentages found in this MOS were:

Listening	60%
Speaking	44%
Reading	29%
Writing	33%

As shown by the figures, listening is the most important skill in this MOS. However, in particular duty sections, percentages varied. Appendix 3, the Percentage Language Skills Form, shows the actual skill percentages in each duty position.

\*\*See A3

Organization of structural and lexical items was done by comparing a structural and lexical list extracted from the Soldier's Manual with a structural inventory list extracted from ALC (American Language Center) materials through Volume 2400, at the end of which a trainee is normally qualified for Specialized English Technical Terminology training. By comparing the lists redundancies were eliminated, leaving the final list of structural and lexical items indicated by grammatical title in Appendix 5.

#### SUMMARY/CONCLUSION:

Organization of the data included the recording of responses on the Task Inventory Compiled Data Form, use of the Percentage Language Skills Form, and the DLIELC in-house structural analysis list. Skills were analyzed by duty section. The actual lexical items in this MOS were grouped and listed task by task. This information was then used to determine the specific Job Language Performance Requirements.

### SECTION III

#### CLUSTERING OF COMMON AND DUTY POSITION TASKS

##### INTRODUCTION

Due to the overlapping of certain elements among the various MOS, tasks were clustered in order to prevent duplication of effort for each MOS.

This section contains a listing of the clusters for this MOS.

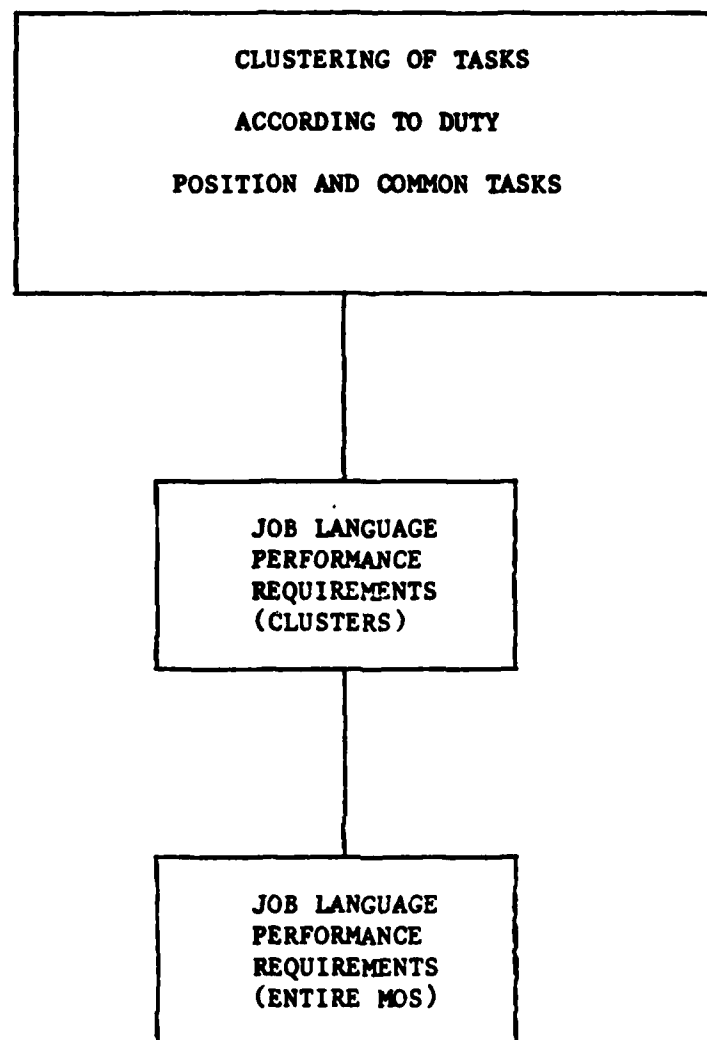


FIGURE 4

### SECTION III: CLUSTERING OF COMMON AND DUTY POSITION TASKS

Clustering was done by using the common and duty position tasks in the Soldier's Manual.

The following clusters are in this MOS:

1. FIRST AID
2. NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS
3. INDIVIDUAL FITNESS
4. BASIC INDIVIDUAL TECHNIQUES
5. CAMOUFLAGE
6. SECURITY AND INTELLIGENCE
7. COMMUNICATIONS
8. LAND NAVIGATION
9. M16A1 RIFLE
10. GRENADES
11. MINES
12. VEHICLE OPERATIONS
13. LEADERSHIP
14. TRAINING
15. M60 MACHINEGUN
16. GENERAL CHEMICAL AND BIOLOGICAL OPERATIONS
17. GENERAL RADIOLOGICAL OPERATIONS
18. DA FORMS
19. RADIOLOGICAL EQUIPMENT MAINTENANCE
20. CHEMICAL/BIOLOGICAL EQUIPMENT MAINTENANCE
21. DECONTAMINATION
22. RECONNAISSANCE

## SECTION IV

### JOB LANGUAGE PERFORMANCE REQUIREMENTS

#### INTRODUCTION

This section discusses the format for the Job Language Performance Requirements.



## SECTION IV: JOB LANGUAGE PERFORMANCE REQUIREMENTS

The format for the Job Language Performance Requirements is:

TASK:  
CONDITION:  
STANDARD:

### A. TASK

The Job Language Performance Requirements state the language tasks the soldier must do in studying/performing specific MOS job tasks. A task addressing language would be one of reading, listening, speaking or writing. Job tasks, as seen in the Soldier's Manual, are those which pertain to the soldiers duties. To write these as language tasks required the following explanations of what the soldier would speak, read, listen and write. Below are the kinds of explanations that had to be made in this MOS.

#### SPEAKING

Produces oral utterances to report/inform/explain/elicit response/respond.

Analysis of this MOS indicates verbal reports entailing those activities directly related to the soldiers job tasks.

The speaking act to respond or elicit response in this MOS is an oral response to a command or visual signal.

Speaking to explain involves situations of instruction in any training situation.

Speaking to inform involves producing oral utterances to communicate necessary information.

#### READING

Read for information/to learn.

Printed and written materials are used throughout this MOS. The soldier is expected to read technical manuals, fields manuals, soldier's manual, written communication and audio-visual aids. Content of these materials is presented in formats and styles ranging from simple factual words or sentences to complex passages containing highly technical vocabulary, often with ellipsis. The purpose is to teach the student, so the student reads them to learn. Reading to learn involves reading names, attributes, information, procedures, explanations of how systems work, concepts, vocabulary terms, and definitions which are committed to short or long term memory for immediate or later recognition.

Basically, the soldier will use these reading materials to supplement what is stated in a lecture by integrating the information from the different texts or written communiques into his understanding of the previous lecture.

The soldier must develop the ability to understand the words in context, to read in thought units, and then select and understand the main ideas. The soldier must retain, apply, and integrate these ideas with past experience to use in his MOS.

Reading to learn, then, is a synthesis. What is read is to be retained in memory for integration in new experiences.

Reading for information, on the other hand, is quite different. The read material is to be retained only in short term memory, used for a specific purpose (i.e., look up a metric equivalent of 37 pounds) and then forgotten.

## LISTENING

### Listen to oral information to learn/to report.

In this MOS, lecture is a main method of instruction. The lecture is often supplemented by a demonstration. The soldier listens to the lecture to learn data pertinent to the task. Analysis of lecture presentations indicated many language variables. The soldier hears sub-standard usages, various registers of style and formality, colloquialisms, even profanity, in situations ranging from a barracks to a field. The soldier must differentiate between the types of language functions. Is it expression, exchange, description, explanation, argumentation, persuasion, statement, request, or order? The oral information may be directly from the speaker and/or indirectly such as over the telephone, radio, TV, or tape. The soldier must organize and gain meaning from what is heard. Out of all these variables, the soldier must identify or infer the main ideas or major points.

Analysis of this MOS did not and could not specify all types of spontaneous language the soldier would be exposed to. The POI, though, does show the general form of the constrained oral language the soldier must listen to in order to learn the task.

## B. CONDITIONS

The condition is what the soldier will be given in order to do the task. For the MOS job, the soldier is given paper, pencil, and printed materials. For language purposes, he will be given certain structural and lexical features as found through the data gathering and organizing from interviews and observations. Again, for the job that the soldier will be given, the material may be under normal working conditions, though other conditions may be added such as with or without protective gear or in darkness.

The soldier will read lists, tables, procedures, checklists or signs, and will hear scenarios, lectures, explanations, and commands. Therefore, these are listed with the Job Language Performance Requirements as possible conditions.

### C. STANDARDS

The standard for our purpose is 100%. A standard for understanding or speaking cannot be tested as saying the soldier will disassemble a .45 caliber pistol in eight minutes. Because of this, 100% understandable speech or 100% legibility is used as a reference.

#### SUMMARY/CONCLUSION:

The Job Language Performance Requirements including tasks, conditions, and standards, were first written for each task cluster. The clusters were then combined into the Job Language Performance Requirements for the entire MOS.

## SECTION V

### JOB LANGUAGE PERFORMANCE REQUIREMENTS (CLUSTERED)

#### INTRODUCTION

Sections I, II, III, and IV described how Job Language Performance Requirements were identified and constructed.

This section contains the Job Language Performance Requirements for each task cluster pertinent to this MOS.

## FIRST AID

### I. PERCENTAGE LANGUAGE SKILLS

Listening	73%
Speaking	60%
Reading	42%
Writing	45%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Listen to respond
CONDITIONS:	Given a medical scenario involving simple questions about an illness in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral utterances
TASK:	Produce oral utterances to explain
CONDITIONS:	Given a simple medical scenario requiring an oral interpretation in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of captioned illustrations, procedures, tables and explanations
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

081-831-1004	Perform mouth-to-mouth resuscitation and external cardiac massage
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081-831-1005 Stop bleeding  
081-831-1006 Identify signs and treat for shock  
081-831-1007 Splint a fracture  
081-831-1008 Administer emergency medical care for burns  
081-831-1010 Apply first aid for sun or heat injuries  
081-831-1011 Apply first aid for wet or cold injuries

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## NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS

### I. PERCENTAGE LANGUAGE SKILLS

Listening	76%
Speaking	61%
Reading	37%
Writing	44%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Listen to perform
CONDITIONS:	Given oral warnings or verbal commands regarding simulated NBC situations (scenarios) in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral utterances
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given NBC situations requiring oral alarms
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, captioned illustrations and notations defined as explanations
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of procedures, captioned illustrations and notations defined as explanations
STANDARDS:	100% understanding of printed material
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

031-503-1001	Perform operator's maintenance on an M17-series protective mask
031-503-1002	Put on and wear a protective mask
031-503-1003	Store protective mask with hood in carrier
031-503-1004	Recognize and protect self against a CB hazard
031-503-1005	Recognize and protect self against a nuclear hazard
031-503-1006	Give visual, vocal, and/or sound alarms for chemical or biological attack
031-503-1007	Decontaminate self
031-503-1008	Decontaminate individual equipment
031-503-1009	Satisfy personal needs in a chemical environment
031-503-1010	Exchange filters on an M17-series protective mask
031-503-1013	Inspect filter canister on an M24, M25, or M25A1 protective mask
031-503-1014	Identify a chemical agent using ABC-M8 detector paper
031-503-1015	Put on and wear protective clothing
031-503-3004	Protect self while crossing a contaminated area
031-831-1009	Apply artificial respiration to a chemical-agent casualty
031-831-1012	Administer antidote to a nerve-agent casualty
031-831-1017	Administer antidote to a blood-agent casualty



## INDIVIDUAL FITNESS

### I. PERCENTAGE LANGUAGE SKILLS

Listening	68%
Speaking	63%
Reading	29%
Writing	34%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to produce a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of procedures, manuals, charts, captioned illustrations and explanations
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

071-327-0201	Maintain individual physical fitness appropriate to unit mission
--------------	--

## BASIC INDIVIDUAL TECHNIQUES

### I. PERCENTAGE LANGUAGE SKILLS

Listening	49%
Speaking	35%
Reading	20%
Writing	25%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, charts, tables, captioned illustrations, explanations and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

071-11A-0705	Construct individual defensive positions
071-331-0852	Clear fields of fire
031-503-2007	Ignite smoke pots
071-11B-5505	Prepare and issue an oral squad operation order
071-11B-5701	Supervise preparation of a squad defensive position
031-503-4005	Select smoke pot positions for concealing unit location

## CAMOUFLAGE

### I. PERCENTAGE LANGUAGE SKILLS

Listening	83%
Speaking	56%
Reading	29%
Writing	30%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, charts, captioned illustrations, explanations and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

051-191-1361	Camouflage/conceal self and individual equipment
051-191-1362	Camouflage/conceal equipment
051-191-1363	Camouflage/conceal defensive positions

## SECURITY AND INTELLIGENCE

### I. PERCENTAGE LANGUAGE SKILLS

Listening	49%
Speaking	35%
Reading	17%
Writing	23%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Listen to orally interact
CONDITIONS:	Given oral challenges, passwords and scenarios in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral information
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Produce spontaneous oral utterances to interact
CONDITIONS:	Given the requirement to orally respond to challenges, passwords and security situations in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, tables and warnings
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given the requirement to complete forms and make written reports
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

071-331-0801	Use challenge and password
071-331-0850	Guard duty
121-030-1503	Safeguard classified information
071-331-0851	Enforce noise, light, and litter discipline

071-11A-0806 Identify threat vehicles and weapons  
441-16R-1017 Report information of possible intelligence value  
071-11A-0802 Process known or suspected enemy personnel  
071-11A-0803 Collect/report information - SALUTE  
061-13E-0225 Perform low level anti-jamming procedures

## COMMUNICATIONS

### I. PERCENTAGE LANGUAGE SKILLS

Listening	45%
Speaking	34%
Reading	29%
Writing	23%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral utterances
TASK:	Listen to perform
CONDITIONS:	Given a brief oral message including prowords in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral content
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances over radiotelephone
CONDITIONS:	Given the requirement to orally communicate using the phonetic alphabet in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of instructions, captioned illustrations and sample messages using prowords
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete communication forms and logs
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

113-587-2002	Operate radio set AN/VRC-64
113-587-2003	Operate radio set AN/VRC-46 (AN/VRC-12 series)
113-622-2002	Operate radio set control group AN/GRA-35 V-11-54E

071-11A-0921 Maintain tactical FM radios (AN/VRC-46 and AN/VRC-47)  
071-11A-0920 Maintain tactical FM radios (AN/PRC-77, AN/VRC-64, and  
AN/GRC-160)  
113-573-4002 Use KAL-61B with KTC 1400 numerical code to authenticate  
transmission and encrypt/decrypt numbers and grid zone let-  
ters  
113-571-2002 Encode and decode messages using a tactical operations  
code, KTC 600

## LAND NAVIGATION

### I. PERCENTAGE LANGUAGE SKILLS

Listening	58%
Speaking	29%
Reading	38%
Writing	41%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to produce a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of marked maps, definitions, captioned illustrations, instructions and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to record the grid reference
STANDARDS:	100% legible written content

### III. TASK NUMBERS AND TITLES

071-329-1001	Identify terrain features (natural and manmade) on the map
071-329-1004	Determine the elevation of a point on the ground using a map
071-329-1005	Determine location on the ground
071-329-1008	Measure ground distance
071-329-1010	Determine an azimuth
071-329-1012	Orient a map to the ground using map-terrain association
071-329-1002	Locate a point on a map
071-11A-1011	Orient a point on a map using a compass
071-11A-1006	Navigate from one position on the ground to another point

V-13-54E

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## M16A1 RIFLE

### I. PERCENTAGE LANGUAGE SKILLS

Listening	80%
Speaking	65%
Reading	36%
Writing	42%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, captioned illustrations, warnings and references
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of a range card
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

071-311-2001	Perform operator's maintenance on M16A1 rifle, magazines, and ammunition
071-311-2002	Load and unload M16A1 rifle magazine

V-14-54E

071-311-2003 Load, reduce a stoppage, unload, and clear an M16A1 rifle  
071-311-2004 Zero M16A1 rifle  
071-311-2005 Engage targets with M16A1 rifle  
071-311-2006 Prepare and use aiming and firing stakes for M16A1 rifle

## GRENADES

### I. PERCENTAGE LANGUAGE SKILLS

Listening	73%
Speaking	69%
Reading	32%
Writing	41%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

**TASK:** Listen to learn and perform  
**CONDITIONS:** Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)  
**STANDARDS:** 100% understanding of oral communication

**TASK:** Listen for information  
**CONDITIONS:** Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)  
**STANDARDS:** 100% understanding of oral information

**TASK:** Produce appropriate oral responses spontaneously or upon request  
**CONDITIONS:** Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)  
**STANDARDS:** 100% understandable oral responses

**TASK:** Produce oral utterances to inform and respond  
**CONDITIONS:** Given a requirement to produce a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)  
**STANDARDS:** 100% understandable oral utterances

**TASK:** Read to learn  
**CONDITIONS:** Given printed MOS training materials in the form of warnings, procedures, definitions, captioned illustrations and references  
**STANDARDS:** 100% understanding of printed content

**TASK:** Write to inform  
**CONDITIONS:** Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)  
**STANDARDS:** 100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

1  
37  
071-311-4402 Engage enemy targets with hand grenades  
071-11A-2102 Load, unload, and clear the M203 grenade launcher

071-11A-2103	Zero an M203 grenade launcher
071-11A-2104	Engage targets with an M203 grenade launcher and apply immediate action to reduce a stoppage
071-11B-2105	Prepare and use aiming and firing stakes for the M203 grenade launcher
071-11A-2101	Maintain an M203 grenade launcher and ammunition

## **MINES**

### **I. PERCENTAGE LANGUAGE SKILLS**

Listening	76%
Speaking	40%
Reading	40%
Writing	35%

### **II. JOB LANGUAGE PERFORMANCE REQUIREMENTS**

<b>TASK:</b>	Listen to learn
<b>CONDITIONS:</b>	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
<b>STANDARDS:</b>	100% understanding of oral communication
<b>TASK:</b>	Produce appropriate oral responses spontaneously or upon request
<b>CONDITIONS:</b>	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
<b>STANDARDS:</b>	100% understandable oral responses
<b>TASK:</b>	Produce oral utterances to inform and respond
<b>CONDITIONS:</b>	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
<b>STANDARDS:</b>	100% understandable oral utterances
<b>TASK:</b>	Read to learn
<b>CONDITIONS:</b>	Given printed MOS training materials in the form of warnings, procedures, definitions, captioned illustrations and references
<b>STANDARDS:</b>	100% understanding of printed content
<b>TASK:</b>	Write to inform
<b>CONDITIONS:</b>	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
<b>STANDARDS:</b>	100% understandable and legible written content

### **III. TASK NUMBERS AND TITLES**

071-11A-4503    Detect enemy mines

## VEHICLE OPERATIONS

### I. PERCENTAGE LANGUAGE SKILLS

Listening	49%
Speaking	35%
Reading	32%
Writing	30%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, charts, tables, captioned illustrations, explanations and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

551-64C-1011	Drive vehicle with manual transmission
551-64C-1014	Operate vehicle in sand
551-64C-1015	Drive vehicle off road
551-64C-1016	Drive vehicle in motor march or convoy
551-64C-1007	Perform before-operation maintenance
551-64C-1008	Perform during-operation maintenance
551-64C-1009	Perform after-operation maintenance

## LEADERSHIP

### I. PERCENTAGE LANGUAGE SKILLS

Listening	17%
Speaking	15%
Reading	9%
Writing	10%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce oral utterances to inform
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Produce spontaneous oral utterances to interact
CONDITIONS:	Given situations requiring inspections, supervision and counseling in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of references, manuals, explanations and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete forms and produce written reports
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

071-328-5301	Inspect personnel/equipment
071-328-5302	Supervise maintenance on individual and TOE equipment
071-328-5304	Enforce preventive medicine program (includes personal hygiene)
071-11A-5304	Supervise subordinates
031-504-2005	Maintain accountability of personnel
031-504-2028	Organize unit NBC defense teams and insure proper manning
031-504-2030	Receive, maintain, and record radiation dose status
031-504-2031	Establish and maintain NBC publications library
031-503-3007	Prepare supplies and equipment for NBC attack
031-503-3008	Implement mission-oriented protective posture

031-503-3012	Supervise the fitting of protective mask
031-503-4001	Supervise unit decontamination of equipment
031-503-4006	Supervise radiological monitoring
031-504-2032	Prepare NBC annex to the unit SOP
031-504-2034	Implement chemical/radiological monitoring operations
031-504-2035	Implement chemical/radiological survey operations
031-504-2036	Advise the commander on NBC situation
031-504-2033	Test chemical agent protective clothing
031-504-2037	Prepare and maintain status chart on unit chemical equipment



## TRAINING

### I. PERCENTAGE LANGUAGE SKILLS

Listening	65%
Speaking	75%
Reading	42%
Writing	50%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, descriptions, tables and SOPs
STANDARDS:	100% understanding of printed content
TASK:	Write to report
CONDITIONS:	Given the requirement to produce written reports
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

874-896-2001 Conduct performance-oriented training session

## M60 MACHINEGUN

### I. PERCENTAGE LANGUAGE SKILLS

Listening	74%
Speaking	58%
Reading	35%
Writing	39%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to answer in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of instructions, captioned illustrations and labels
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of a range card
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

071-11B-3001	Load, reduce a stoppage, unload and clear an M60 machinegun
071-11B-3002	Engage targets with an M60 machinegun
071-11B-3003	Use aiming and firing stakes for the M60 machinegun

071-11B-3004 Construct M60 machinegun position  
071-11B-3006 Zero an M60 machinegun  
071-312-2322 Mount and dismount M60 machinegun on M4 pedestal and M122  
tripod mount  
071-11B-3005 Maintain M60 machinegun and ammunition

## GENERAL CHEMICAL AND BIOLOGICAL OPERATIONS

### I. PERCENTAGE LANGUAGE SKILLS

Listening	65%
Speaking	41%
Reading	29%
Writing	35%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, charts, tables, captioned illustrations, explanations and procedures
STANDARDS:	100% understanding of printed content
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, descriptions, tables and SOPs
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete forms and produce written reports
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

031-503-3006	Decontaminate unit equipment
031-503-2004	Service the automatic chemical agent alarm system
031-503-2005	Perform less than 72-hour chemical agent alarm shutdown operations

031-503-2006	Perform more than 72-hour chemical agent alarm shutdown operations
031-503-3001	Test for chemical agents using a chemical agent detector kit
031-504-1002	Test water for chemical contamination
031-504-1003	Collect biological samples
031-503-2002	Decontaminate equipment using ABC M-11 decontaminating apparatus
031-503-3002	Initiate unmasking procedures
031-503-4002	Emplace automatic chemical agent alarm system
031-504-2001	Supervise operation of the water testing kit and the biological sampling kit
031-504-2002	Supervise the operation of the chemical agent detector kit
031-504-2017	Plot NBC 3 (Chemical and Biological) Report
031-504-2018	Plot NBC 5 Report (Chemical)
031-503-2003	Place the automatic chemical agent alarm system into operation

## GENERAL RADIOLOGICAL OPERATIONS

### I. PERCENTAGE LANGUAGE SKILLS

Listening	59%
Speaking	43%
Reading	33%
Writing	37%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce oral utterances to inform
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of warnings, procedures, descriptions, tables and SOPs
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, charts, tables, captioned illustrations, explanations and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given the requirement to complete forms and produce written reports
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

031-503-3003	Determine radiation readings using an IM-174 series radiacmeter
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031-504-1004 Monitor terrain, personnel, supplies, and equipment for  
alpha radiation using AN/PDR-60 radiac set  
031-503-3009 Monitor personnel, supplies, and equipment for beta/gamma  
radiation using AN/PDR-27 radiac set  
031-504-1006 Charge dosimeter  
031-503-3005 Prepare and submit NBC 1 reports  
031-503-2001 Read and report radiation dosages  
031-503-4003 Supervise tactical dosimetry operations  
031-504-2003 Plot NBC 3 (Nuclear) report  
031-504-2004 Prepare simplified fallout prediction  
031-504-2006 Plot NBC 5 Report (Nuclear)  
031-503-4004 Prepare and submit NBC 4 report

## DA FORMS

### I. PERCENTAGE LANGUAGE SKILLS

Listening	64%
Speaking	32%
Reading	48%
Writing	50%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of instructions
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete forms
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

551-64C-1002	Prepare DA Form 2404 (Equipment Inspection and Maintenance Worksheet)
551-64C-1003	Prepare DA Form 2408-1 (Equipment Daily or Monthly Log)

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## RADIOLOGICAL EQUIPMENT MAINTENANCE

### I. PERCENTAGE LANGUAGE SKILLS

Listening	66%
Speaking	54%
Reading	30%
Writing	34%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures and notations
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of warnings, procedures and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given the requirement to complete forms
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

031-504-1010	Perform operator and organizational maintenance on IM-174 series radiacmeter
031-504-1011	Perform operator and organizational maintenance on AN/PDR-27 radiac set
031-504-1012	Perform operator and organizational maintenance on AN/PDR-60 radiac set
031-504-1013	Perform operator and organizational maintenance on IM-93 and IM-147 radiacmeter and PP-1578 charger

## CHEMICAL/BIOLOGICAL EQUIPMENT MAINTENANCE

### I. PERCENTAGE LANGUAGE SKILLS

Listening	53%
Speaking	44%
Reading	25%
Writing	32%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of labels
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

031-504-1014	Perform operator maintenance on water testing kit
031-504-1015	Perform operator maintenance on chemical agent detector kits M15A2A, M18A2, and M256
031-504-1016	Perform organizational maintenance on protective masks

## DECONTAMINATION

### I. PERCENTAGE LANGUAGE SKILLS

Listening	50%
Speaking	27%
Reading	9%
Writing	27%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, descriptions, tables and SOPs
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, charts, tables, captioned illustrations, explanations and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given the requirement to complete forms and produce written reports
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

031-504-1017	Perform operator and organizational maintenance on M12A1 PDDA
031-504-1018	Perform operator maintenance on 100 GPM pump

031-504-1020 Mix load of decontaminants (equipment and terrain decon)  
 031-504-1021 Load the tank with water (personnel, equipment, and terrain decon)  
 031-504-1022 Spray from an outside source bypassing tank (equipment decon)  
 031-504-1023 Heat water in tank (personnel, equipment, and terrain decon)  
 031-504-1024 Heat water from outside source (personnel decon)  
 031-504-1025 Meter foam with water (firefighting)  
 031-504-1026 Meter soap with water (equipment decon)  
 031-504-1027 Operate 100 GPM pump  
 031-504-1031 Spray decontaminants on terrain/equipment  
 031-504-1032 Spray firefighting solution  
 031-504-1033 Set up personnel shower assembly  
 031-504-1034 Process personnel through a clothing exchange and bath  
 031-504-1035 Receive and dispose (process) contaminated clothing  
 031-504-1036 Issue NBC protective clothing  
 031-504-1037 Replenish decontaminants and protective clothing  
 031-504-1038 Dispose of contaminated waste water  
 031-504-2008 Maintain clothing accountability  
 031-504-2009 Supervise clothing exchange and bath operation  
 031-504-2010 Supervise operation of the M12A1 PDDA  
 031-504-2011 Supervise processing of personnel through decontamination site  
 031-504-2012 Supervise operation of the 100 GPM pump  
 031-504-2013 Supervise processing of equipment through decontamination site  
 031-504-2014 Supervise disposal and handling of contaminated clothing  
 031-504-2015 Supervise marking of contaminated water sump area  
 031-504-2016 Maintain prescribed amount of supplies for operations

## RECONNAISSANCE

### I. PERCENTAGE LANGUAGE SKILLS

Listening	18%
Speaking	3%
Reading	3%
Writing	3%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce oral utterances to inform
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Produce oral utterances over radiotelephone
CONDITIONS:	Given the requirement to orally communicate using the phonetic alphabet in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, SOPs and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given the requirement to complete forms and produce written reports
STANDARDS:	100% understandable and legible written content
TASK:	Write to label
CONDITIONS:	Given the requirement to produce markers and signs
STANDARDS:	100% understandable and legible written content

### III. TASK NUMBERS AND TITLES

031-504-1042	Prepare vehicle and team equipment for survey operation
031-504-1045	Mark radiologically contaminated areas
031-504-1046	Prepare vehicle and team equipment for chemical survey or biological sampling mission
031-504-1050	Mark chemically and biologically contaminated area

071-11A-1501	Call for and adjust indirect fire (using grid coordinate method of target location and bracketing method of adjustment)
113-573-6001	Implement electronic counter-counter-measure (ECCM)
031-504-2019	Supervise preparation of vehicles, equipment, and personnel for radiological survey
031-504-2020	Supervise radiological survey
031-504-2021	Supervise marking of radiological contamination
031-504-2022	Supervise preparation of vehicles, equipment, and personnel for chemical survey or biological sampling mission
031-504-2023	Supervise chemical survey
031-504-2024	Supervise biological sampling
031-504-2025	Supervise marking of chemical and biological contamination
031-504-2026	Select and report personnel decontamination site
031-504-2027	Select and report equipment decontamination site

## SECTION VI

### JOB LANGUAGE PERFORMANCE REQUIREMENTS (Entire MOS)

#### INTRODUCTION

This section contains language tasks for each generic skill for this MOS. Listed below each task are the types of receptive or productive language activity involved.

## LISTENING

- TASK:** Understand oral language intended to inform or instruct.
- CONDITIONS:** Given explanations, procedures, rules, instructions or definitions in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5 & 6)
- STANDARDS:** 100% understanding and assimilation of presented oral language task.

The following are specific conditions found in this language task:

Warnings  
Described situations  
Directions  
Lectures  
Commands, Orders  
Sound tracks (films, tapes)  
Standard/Non-standard English  
Instructions  
SQT questions

- TASK:** Understand spontaneous oral language or language via a technical medium - such as a radio telephone - intended to inform and elicit responses.
- CONDITIONS:** Given scenarios, questions, commands or requests in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5, & 6)
- STANDARDS:** 100% understanding and assimilation of oral language in order to apply and respond.

The following are specific conditions found in this language task:

Shouting  
Radio communications  
Coded messages  
Spellings  
Conversation  
Requests



## SPEAKING

- TASK:** Formulate and produce appropriate oral responses spontaneously.
- CONDITIONS:** Given any verbal stimulus in the form of questions, scenarios, instructions, or cues in any training situation.  
(Appendices 5 & 6)
- STANDARDS:** 100% understandable oral response using correct lexicon and syntax for the training situation.

The following are specific conditions found in the language task:

Explanations  
Statements  
Repetitions  
Counting  
Corrections  
Assignments  
Notifications  
Oral reports  
Answers  
Clarifications  
Information

- TASK:** Produce oral utterances to interact and communicate spontaneously or via a technical medium such as radio telephone.
- CONDITIONS:** Given a communicative situation (Appendices 4, 5, & 6 Soldier's Manual) in any training situation.
- STANDARDS:** 100% understandable communication using correct lexicon and syntax for the communication act.

The following are specific conditions found in this language task:

Requesting information  
Requesting permission  
Transmitting messages  
Call signs  
Vocal signals  
Shout warnings  
Radio communications  
Target locations  
Directions (N,S,E,W)  
Directions, general  
Requests for fire  
Report on the results of fire  
Challenges/Passwords  
Training sessions  
Interaction

## READING

- TASK:** Read MOS training in the form of printed prose or graphic representations in order to learn processes, concepts, vocabulary, definitions and identifications, to calculate problems, intercept codes and complete forms.
- CONDITIONS:** Given technical, non-technical, lexical and structural features in simple to complex printed form in any training situation. (Appendices 4, 5 & 6)
- STANDARDS:** 100% understanding of printed content.

The following are specific conditions found in this language task:  
Captions with illustrations.

Lists	Extracts
Procedures	Columns
Information	Indices
Definitions	Charts
Outlines	Methods
Signs	Technical Vocabulary
Markers	Standard Operating Procedures
References	Cartoons
Rules	Problems
Maps	Manuals
Flags	Graphic Training Aids
Military Documents	
I.D. Papers	
Regulations	

- TASK:** Identify, understand, and interpret written utterances pertinent to MOS training in technical or non-technical language.
- CONDITIONS:** Given technical, non-technical, lexical and structural features in simple to complex written form in any training situation. (Appendices 4, 5 & 6)
- STANDARDS:** 100% understanding of written content.

The following are specific conditions found in this language task:

Lists  
Information  
Descriptions  
Radiation readings off dosimeter  
Coordinate scales  
Callsigns-suffices  
Three-letter codes  
Examples  
Calculations  
Markings  
Radio communications  
Range cards  
Notes  
Messages

## WRITING

- TASK:** Upon instruction, write in conventional orthography, letter, numbers, words or sentences appropriate to the training situation.
- CONDITIONS:** Given standardized forms, paper or answer sheets and the instructions to list, answer, describe or recall.
- STANDARDS:** 100% syntactical and lexical correctness and legibility of writing which is also appropriate in style and usage to training situations. (Appendix 4)

The following are specific conditions found in this language task:

Ratings  
Signatures  
Range cards  
Data symbols  
Answers  
Descriptions  
Notes  
Reports

- TASK:** Write, in conventional orthography, letters, or specialized code, numbers, words or sentences in order to transmit or record information.
- CONDITIONS:** Given standardized forms or paper and oral communication.
- STANDARDS:** 100% syntactical and lexical correctness of writing which can be read by another speaker of English.

The following are specific conditions found in this language task:

Technical forms  
Codes  
Grid coordinates  
Decoded messages  
Encoded messages  
Logbooks  
Plottings  
Figures  
Reports  
Tags  
Range cards  
Applicable DA forms

## APPENDICES

1. Task Prioritization Checklist
2. Task Inventory Compiled Data Forms
3. Percentage Language Skills
4. Observation Form
5. Structural/Lexical list
6. Vocabulary (DLIELC in-house)
7. Vocabulary (machine-generated)
8. English Language Structures

APPENDIX 1

TASK PRIORITIZATION CHECKLIST

This Checklist was approved by the  
Department of the Army in 1980.

YOUR CURRENT MOS: \_\_\_\_\_  
(PRESENT WORKING IN)  
MOS IN WHICH YOU WERE TRAINED: \_\_\_\_\_  
POSITION: \_\_\_\_\_  
UNIT: \_\_\_\_\_

\*RATING: 1=low  
2= med  
3= high

IS TASK TAUGHT? YES \_\_\_\_\_ NO \_\_\_\_\_  
LISTENING\* \_\_\_\_\_  
SPEAKING\* \_\_\_\_\_  
READING\* \_\_\_\_\_  
WRITING\* \_\_\_\_\_  
LECTURE \_\_\_\_\_  
SELF-PACED \_\_\_\_\_  
DEMONSTRATION \_\_\_\_\_  
HANDS-ON \_\_\_\_\_  
YES \_\_\_\_\_ NO \_\_\_\_\_  
IS TASK TESTED? YES \_\_\_\_\_ NO \_\_\_\_\_  
WRITTEN \_\_\_\_\_  
ORAL \_\_\_\_\_  
HOW TAUGHT? \_\_\_\_\_  
PERFORMANCE \_\_\_\_\_  
TESTED? \_\_\_\_\_  
PERSON \_\_\_\_\_  
FOR PERFORM RESULT DANGER

APPENDIX 2

TASK INVENTORY COMPILED DATA FORM

This form was used to record data from  
the Task Prioritization Checklist.

DATA OBTAINED FROM *STANAVKOR, F-102-6* TRAINING SPECIALIST

[illegible]

WOS 548 NUMBER OF RESPONDENTS \_\_\_\_\_  
DATA OBTAINED FROM FBI Mc Lellan TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
	difficulty?	danger to person or	self-paced	written	writing
	tested?	equipment	hands-on	oral	reading
	taught?	importance	demonstration	performance	speaking
			lecture		listening
001-83/-1007					
001-83/-1007					
001-83/-1006					
001-83/-1007					
001-83/-1007					
001-83/-1007					

1857 1910



NBC

[illegible]

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS	MOS		NUMBER OF RESPONDENTS	
						DATA OBTAINED FROM	TRAINING SPECIALIST		
			self-paced hands-on demonstration lecture	written oral performance	writing				
					reading				
					speaking				
					listening				

VEN

[illegible]

		MOS _____		NUMBER OF RESPONDENTS _____			
		DATA OBTAINED FROM _____		TRAINING SPECIALIST _____			
RATING OF ELS	writing						
	reading						
	speaking						
	listening						
METHODS OF TESTING	written						
	oral						
	performance						
METHODS OF TEACHING	self-paced						
	hands-on						
	demonstration						
	lecture						
CRITICALITY	danger to person or equipment						
	importance						
AIT	difficulty?						
	tested?						
	taught?						
TASK NUMBER		031-503-1015	031-503-3004	081-831-1009	081-831-1012	081-831-1017	081-831-1010

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5174555

**DATA OBTAINED FROM**

**TRAINING SPECIALIST**

[illegible]

MOS	NUMBER OF RESPONDENTS
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
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98	1
99	1
100	1

DATA OBTAINED FROM \_\_\_\_\_ TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
	difficulty?	danger to person or equipment	self-paced	written	writing
	tested?	importance	hands-on	oral	reading
	taught?		demonstration	performance	speaking
			lecture		listening
ON-14-0705					
071-331-0852					
031-508-2007					
071 11B-5305					
071 11B-5701					
071 503-4005					

Basic Individual Techniques

TRAINING SPECIALIST

ENCLOSURE AND 147261-62

**TRAINING SPECIALIST**

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Commonwealth

PAGE 7  
OF 7

MOS

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NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS	UNIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS	MOS		NUMBER OF RESPONDENTS		DATA OBTAINED FROM		TRAINING SPECIALIST	
											danger to person or equipment	importance	difficult?	tested?	danger to person or equipment	importance	difficult?	tested?
071-379-1001			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening													
071-379-1002			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening													
071-379-1003			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening													
071-379-1004			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening													
071-379-1005			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening													
071-379-1006			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening													
071-379-1007			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening													
071-379-1008			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening													
071-379-1009			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening													
071-379-1010			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening													
071-379-1011			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening													
071-379-1012			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening													

LAND NAVIGATION



MOS \_\_\_\_\_ NUMBER OF RESPONDENTS \_\_\_\_\_

DATA OBTAINED FROM \_\_\_\_\_ TRAINING SPECIALIST \_\_\_\_\_

[illegible]

NUMBER OF RESPONDENTS

**TRAINING SPECIALIST**

RATING OF ELS	writing	1	1	2	1	1	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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MOS	NUMBER OF RESPONDENTS
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**TRAINING SPECIALIST**

[illegible]

W/67/1691W

5-2524A DCS

RATING OF ELS	writing	reading	speaking	listening
METHODS OF TESTING	written	oral	performance	
METHODS OF TEACHING	self-paced	hands-on	demonstration	lecture
CRITICALITY	danger to person or equipment	importance		
UNIT	difficult?	tested?		

	MOS _____	NUMBER OF RESPONDENTS _____
	DATA OBTAINED FROM _____	TRAINING SPECIALIST _____

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
	difficulty?	danger to person or equipment	self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening
071-11B-2101	tested?	importance			
071-11A-2101	taught?				
071-11A-11501					
071-69C-1011					
071-69C-1014					
071-69C-1015					

MINES CHRYSLER

3-11-68 10:00 AM

**DATA OBTAINED FROM**

**TRAINING SPECIALIST**[illegible]

MOS

NUMBER OF RESPONDENTS

**DATA OBTAINED FROM**

**TRAINING SPECIALIST**

[illegible]

Vehicle opened

✓ 145 2094

**TRAINING SPECIALIST**

Casey, Gus

0145 220627

PAGE 11  
OF 11

MOS

NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS	UNIT		CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
						difficult?	tested?				
			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	danger to person or equipment importance	difficult? tested?				
031 033-5008			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	danger to person or equipment importance	difficult? tested?				
031 503-3012			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	danger to person or equipment importance	difficult? tested?				
031 503-4001			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	danger to person or equipment importance	difficult? tested?				
031 503-4006			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	danger to person or equipment importance	difficult? tested?				
031 503-2012			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	danger to person or equipment importance	difficult? tested?				
031 503-2012			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	danger to person or equipment importance	difficult? tested?				
031 503-2012			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	danger to person or equipment importance	difficult? tested?				

LEAD RE SHIP

[illegible]

**DATA OBTAINED FROM**

**TRAINING SPECIALIST**

[illegible]

MOS

NUMBER OF RESPONDENTS

DATA OBTAINED FROM

**TRAINING SPECIALIST**

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
071-116-3001	difficulty?		self-paced	written	writing
	tested?		hands-on	oral	reading
	taught?		demonstration	performance	speaking
			lecture		listening
071-116-3003					
071-116-3004					
071-116-3006					
071-116-3022					
071-116-3005					

NO MATCH, we say



RATING OF 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	MOS _____	NUMBER OF RESPONDENTS _____
	DATA OBTAINED FROM _____ TRAINING SPECIALIST _____	
RATING OF ELS	writing	
	reading	
	speaking	
	listening	
METHODS OF TESTING	written	
	oral	
	performance	
METHODS OF TEACHING	self-paced	
	hands-on	
	demonstration	
	lecture	
CRITICALITY	danger to person or equipment	
	importance	
AIT	difficulty?	
	tested?	
	taught?	
TASK NUMBER		

*Staphylococcus aureus*

DATA OBTAINED FROM TRAINING SPECIALIST

UNIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS	COURSE																									
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
		writing reading speaking listening	written oral performance																											
		s- f-paced hands-on demonstration lecture																												
		danger to person or equipment importance																												
		difficult? tested?																												

MOS	NUMBER OF RESPONDENTS
1	1
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DATA OBTAINED FROM	TRAINING SPECIALIST
1. <u>Training Manual</u>	1. <u>Training Manual</u>
2. <u>Training Plan</u>	2. <u>Training Plan</u>
3. <u>Training Record</u>	3. <u>Training Record</u>
4. <u>Training Report</u>	4. <u>Training Report</u>
5. <u>Training Log</u>	5. <u>Training Log</u>
6. <u>Training Schedule</u>	6. <u>Training Schedule</u>
7. <u>Training Materials</u>	7. <u>Training Materials</u>
8. <u>Training Equipment</u>	8. <u>Training Equipment</u>
9. <u>Training Facilities</u>	9. <u>Training Facilities</u>
10. <u>Training Personnel</u>	10. <u>Training Personnel</u>
11. <u>Training Budget</u>	11. <u>Training Budget</u>
12. <u>Training Evaluation</u>	12. <u>Training Evaluation</u>
13. <u>Training Feedback</u>	13. <u>Training Feedback</u>
14. <u>Training Documentation</u>	14. <u>Training Documentation</u>
15. <u>Training Records</u>	15. <u>Training Records</u>
16. <u>Training Reports</u>	16. <u>Training Reports</u>
17. <u>Training Logs</u>	17. <u>Training Logs</u>
18. <u>Training Schedules</u>	18. <u>Training Schedules</u>
19. <u>Training Materials</u>	19. <u>Training Materials</u>
20. <u>Training Equipment</u>	20. <u>Training Equipment</u>
21. <u>Training Facilities</u>	21. <u>Training Facilities</u>
22. <u>Training Personnel</u>	22. <u>Training Personnel</u>
23. <u>Training Budget</u>	23. <u>Training Budget</u>
24. <u>Training Evaluation</u>	24. <u>Training Evaluation</u>
25. <u>Training Feedback</u>	25. <u>Training Feedback</u>
26. <u>Training Documentation</u>	26. <u>Training Documentation</u>
27. <u>Training Records</u>	27. <u>Training Records</u>
28. <u>Training Reports</u>	28. <u>Training Reports</u>
29. <u>Training Logs</u>	29. <u>Training Logs</u>
30. <u>Training Schedules</u>	30. <u>Training Schedules</u>
31. <u>Training Materials</u>	31. <u>Training Materials</u>
32. <u>Training Equipment</u>	32. <u>Training Equipment</u>
33. <u>Training Facilities</u>	33. <u>Training Facilities</u>
34. <u>Training Personnel</u>	34. <u>Training Personnel</u>
35. <u>Training Budget</u>	35. <u>Training Budget</u>
36. <u>Training Evaluation</u>	36. <u>Training Evaluation</u>
37. <u>Training Feedback</u>	37. <u>Training Feedback</u>
38. <u>Training Documentation</u>	38. <u>Training Documentation</u>
39. <u>Training Records</u>	39. <u>Training Records</u>
40. <u>Training Reports</u>	40. <u>Training Reports</u>
41. <u>Training Logs</u>	41. <u>Training Logs</u>
42. <u>Training Schedules</u>	42. <u>Training Schedules</u>
43. <u>Training Materials</u>	43. <u>Training Materials</u>
44. <u>Training Equipment</u>	44. <u>Training Equipment</u>
45. <u>Training Facilities</u>	45. <u>Training Facilities</u>
46. <u>Training Personnel</u>	46. <u>Training Personnel</u>
47. <u>Training Budget</u>	47. <u>Training Budget</u>
48. <u>Training Evaluation</u>	48. <u>Training Evaluation</u>
49. <u>Training Feedback</u>	49. <u>Training Feedback</u>
50. <u>Training Documentation</u>	50. <u>Training Documentation</u>
51. <u>Training Records</u>	51. <u>Training Records</u>
52. <u>Training Reports</u>	52. <u>Training Reports</u>
53. <u>Training Logs</u>	53. <u>Training Logs</u>
54. <u>Training Schedules</u>	54. <u>Training Schedules</u>
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56. <u>Training Equipment</u>	56. <u>Training Equipment</u>
57. <u>Training Facilities</u>	57. <u>Training Facilities</u>
58. <u>Training Personnel</u>	58. <u>Training Personnel</u>
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60. <u>Training Evaluation</u>	60. <u>Training Evaluation</u>
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62. <u>Training Documentation</u>	62. <u>Training Documentation</u>
63. <u>Training Records</u>	63. <u>Training Records</u>
64. <u>Training Reports</u>	64. <u>Training Reports</u>
65. <u>Training Logs</u>	65. <u>Training Logs</u>
66. <u>Training Schedules</u>	66. <u>Training Schedules</u>
67. <u>Training Materials</u>	67. <u>Training Materials</u>
68. <u>Training Equipment</u>	68. <u>Training Equipment</u>
69. <u>Training Facilities</u>	69. <u>Training Facilities</u>
70. <u>Training Personnel</u>	70. <u>Training Personnel</u>
71. <u>Training Budget</u>	71. <u>Training Budget</u>
72. <u>Training Evaluation</u>	72. <u>Training Evaluation</u>
73. <u>Training Feedback</u>	73. <u>Training Feedback</u>
74. <u>Training Documentation</u>	74. <u>Training Documentation</u>
75. <u>Training Records</u>	75. <u>Training Records</u>
76. <u>Training Reports</u>	76. <u>Training Reports</u>
77. <u>Training Logs</u>	77. <u>Training Logs</u>
78. <u>Training Schedules</u>	78. <u>Training Schedules</u>
79. <u>Training Materials</u>	79. <u>Training Materials</u>
80. <u>Training Equipment</u>	80. <u>Training Equipment</u>
81. <u>Training Facilities</u>	81. <u>Training Facilities</u>
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83. <u>Training Budget</u>	83. <u>Training Budget</u>
84. <u>Training Evaluation</u>	84. <u>Training Evaluation</u>
85. <u>Training Feedback</u>	85. <u>Training Feedback</u>
86. <u>Training Documentation</u>	86. <u>Training Documentation</u>
87. <u>Training Records</u>	87. <u>Training Records</u>
88. <u>Training Reports</u>	88. <u>Training Reports</u>
89. <u>Training Logs</u>	89. <u>Training Logs</u>
90. <u>Training Schedules</u>	90. <u>Training Schedules</u>
91. <u>Training Materials</u>	91. <u>Training Materials</u>
92. <u>Training Equipment</u>	92. <u>Training Equipment</u>
93. <u>Training Facilities</u>	93. <u>Training Facilities</u>
94. <u>Training Personnel</u>	94. <u>Training Personnel</u>
95. <u>Training Budget</u>	95. <u>Training Budget</u>
96. <u>Training Evaluation</u>	96. <u>Training Evaluation</u>
97. <u>Training Feedback</u>	97. <u>Training Feedback</u>
98. <u>Training Documentation</u>	98. <u>Training Documentation</u>
99. <u>Training Records</u>	99. <u>Training Records</u>
100. <u>Training Reports</u>	100. <u>Training Reports</u>

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TASK	NUMBER
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031-503-2002

031-503-3002

034-583-4002

1007-105-150

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TRAINING SPECIALIST

GENERAL  
210060101 1000000000

DATA OBTAINED FROM TRAINING SPECIALIST

5-2151AC AD-061006 0759700VS

RATING OF ELS		METHODS OF TESTING		METHODS OF TEACHING		CRITICALITY		UNIT	
writing		written		self-paced		danger to person or		difficult?	
reading		oral		hands-on		equipment		tested?	
speaking		performance		demonstration		importance			
listening				lecture					

MOS	NUMBER OF RESPONDENTS
DATA OBTAINED FROM	TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
	difficulty?	danger to person or equipment	self-paced	written	writing
	tested?	importance	hands-on	oral	reading
	taught?		demonstration	performance	speaking
			lecture		listening
551-64C-1002					
551-64C-1003					
551-64C-1004					
551-64C-1005					
551-64C-1006					
551-64C-1007					
551-64C-1008					
551-64C-1009					
551-64C-1010					
551-64C-1011					
551-64C-1012					
551-64C-1013					

Radioactive Equia  
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**TRAINING SPECIALIST**

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① 2007-01-10  
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① 2007 年 7 月 1 日

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PAGE 27 OF 30		MOS 341	NUMBER OF RESPONDENTS
		DATA OBTAINED FROM	TRAINING SPECIALIST
RATING OF ELS	writing		
	reading		
	speaking		
	listening		
METHODS OF TESTING	written		
	oral		
	performance		
METHODS OF TEACHING	self-paced		
	hands-on		
	demonstration		
	lecture		
CRITICALITY	danger to person or		
	equipment		
	importance		
UNIT	difficult?		
	tested?		
		MOS	NUMBER OF RESPONDENTS
		DATA OBTAINED FROM	TRAINING SPECIALIST
RATING OF ELS	writing		
	reading		
	speaking		
	listening		
METHODS OF TESTING	written		
	oral		
	performance		
METHODS OF TEACHING	self-paced		
	hands-on		
	demonstration		
	lecture		
CRITICALITY	danger to person or		
	equipment		
	importance		
AIT	difficulty?		
	tested?		
	taught?		
TASK NUMBER		031 004-1037	031 004-1018
		031 004-1008	031 004-1005
		031 004-1010	031 004-1016
		031 004-1011	

DECONTRAINING

**TRAINING SPECIALIST**

NY 1041

Decon 744 WA 7-02

DATA OBTAINED FROM

**TRAINING SPECIALIST**

[illegible]

**MOS**

NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
			lecture	performance	listening
			demonstration	oral	speaking
			hands-on	written	reading
			self-paced		writing
			importance		
			equipment		
			difficulty?		
			tested?		
			taught?		
031-504-1045					
031-504-1046					
031-504-1050					
041 MA-1501					
112-573-6001					
001 104 2019					

REC'D NINA/SSA/SC

DATA OBTAINED FROM: TRAINING SPECIALIST

TASK	NUMBER
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RECONNAISSANCE

[illegible]

MOS	NUMBER OF RESPONDENTS
1	1
2	1
3	1
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DATA OBTAINED FROM \_\_\_\_\_ TRAINING SPECIALIST

RATING OF ELS		METHODS OF TESTING		METHODS OF TEACHING		CRITICALITY		AIT	
writing		written		self-paced		danger to person or		difficulty?	
reading		oral		hands-on		equipment		tested?	
speaking		performance		demonstration		importance		taught?	
listening				lecture					

TASK	NUMBER
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1031-504-2077

### APPENDIX 3

#### PERCENTAGE LANGUAGE SKILLS

This appendix contains the computations for the percentages of listening, speaking, reading and writing involved in each cluster.

Some clusters have two sets of computations because some Task Prioritization Forms were received after original computations and had to be added on.

95

AD-A121 844

JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 54E  
CHEMICAL OPERATIONS SPE. (U) DEFENSE LANGUAGE INST  
LACKLAND AFB TX ENGLISH LANGUAGE CENTER. 16 APR 79

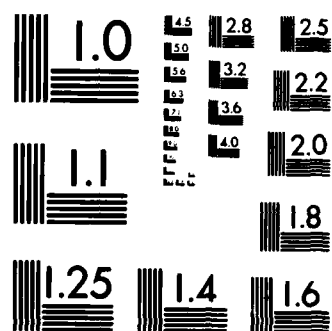
2/3

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NL

A 10x10 grid of squares. The top-left square is missing, creating a shape that resembles a staircase or a corner. The grid is composed of 99 squares in total.



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



PERCENTAGE LANGUAGE SKILLS  
NOS 546

FOR	LISTENING	SPEAKING	READING	WRITING
TR + (T)(V)(R) = %	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
FIRST AID OKI-831-1001 THRU OKI-831-1008 OKI-831-1010 OKI-831-1011	7x5x8=280 41 43 40 32 47 203 280 203.000 .725	7x2x8=112 30 37 67 112 67.000 .598	7x3x8=168 10 28 32 70 168 70.000 .417	7x4x8=224 43 10 28 20 101 224 101.000 .45
	73%	60%	42%	45%
NBC	17x5x8=680 97 104 104 106 107 518 680 518.000 .762	17x2x8=272 80 87 167 272 167.000 .614	17x3x8=408 22 49 81 152 408 152.000 .373	17x4x8=544 100 22 49 63 238 544 238.000 .437
	76%	61%	37%	44%
INDIVIDUAL FITNESS 071327-0101	1x5x8=40 5 4 4 8 6 27 40 27.000 .675	1x2x8=16 4 6 10 16 10.000 .625	1x3x8=24 2 1 4 7 24 7.000 .292	1x4x8=32 4 2 1 4 11 32 11.000 .344
	68%	63%	29%	34%
			96	

K = total number of responses to variables in the cluster  
 T = number of tasks in the cluster  
 V = variables  
 R = maximum number of respondents in any task in that cluster

PERCENTAGE LANGUAGE SKILLS  
MOS 546

TR = total number of responses to variables in the cluster  
T = number of tasks in the cluster  
V = variables  
R = maximum number of respondents in any task in that cluster

FOI	LISTENING	SPEAKING	READING	WRITING
TR + (T)(V)(R) = %	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
BASIC PRINCIPLES AND TECHNIQUES	$6 \times 5 \times 8 = 240$ 21 20 22 $240 \overline{) 117.000}$ .488 27 27 117	$6 \times 2 \times 8 = 96$ 10 24 34 96 $\overline{) 34.000}$ .354	$6 \times 3 \times 8 = 144$ 2 5 22 29 144 $\overline{) 29.000}$ .201	$6 \times 4 \times 8 = 192$ 20 2 5 21 48 192 $\overline{) 48.000}$ .25
	49%	35%	20%	25%
CAMOUFLAGE	$3 \times 5 \times 8 = 120$ 21 12 21 $120 \overline{) 99.000}$ .825 24 21 99	$3 \times 2 \times 8 = 48$ 9 18 27 48 $\overline{) 27.000}$ .563	$3 \times 3 \times 8 = 72$ 2 3 16 21 72 $\overline{) 21.000}$ .292	$3 \times 4 \times 8 = 96$ 12 2 3 12 29 96 $\overline{) 29.000}$ .302
	83%	56%	29%	30%
SECURITY AND INTELLIGENCE	$9 \times 5 \times 8 = 360$ 36 35 30 $360 \overline{) 176.000}$ .489 42 33 176	$9 \times 2 \times 8 = 144$ 23 27 50 144 $\overline{) 50.000}$ .347	$9 \times 3 \times 8 = 216$ 2 8 26 36 216 $\overline{) 35.000}$ .167	$9 \times 4 \times 8 = 288$ 35 2 8 22 67 288 $\overline{) 67.000}$ .222
	49%	35%	17%	23%
			97	

PERCENTAGE LANGUAGE SKILLS  
NOS 54E

FOR LISTENING SPEAKING READING WRITING

FOR	LISTENING	SPEAKING	READING	WRITING
= % + (T)(V)(R)	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
COMMUNICATION	$7 \times 5 \times 5 = 175$ 15 12 18 20 14 79 $175 \overline{) 79.000}$ .451	$7 \times 2 \times 5 = 70$ 7 17 24 $70 \overline{) 24.000}$ .343	$7 \times 3 \times 5 = 105$ 4 5 21 30 $105 \overline{) 30.000}$ .286	$7 \times 4 \times 5 = 140$ 12 4 5 11 32 $140 \overline{) 22.000}$ .22
	45%	34%	29%	23%
LAND NAVIGATION	$9 \times 5 \times 8 = 360$ 50 51 25 42 40 208 $360 \overline{) 208.000}$ .578	$9 \times 2 \times 8 = 144$ 8 34 42 $144 \overline{) 42.000}$ .292	$9 \times 3 \times 8 = 216$ 11 22 49 82 $216 \overline{) 82.000}$ .380	$9 \times 4 \times 8 = 288$ 51 11 22 33 117 $288 \overline{) 117.000}$ .406
	58%	29%	38%	41%
M16A1 Rifle	$6 \times 5 \times 8 = 240$ 39 34 41 45 34 193 $240 \overline{) 193.000}$ .804	$6 \times 2 \times 8 = 96$ 26 36 62 $96 \overline{) 62.000}$ .646	$6 \times 3 \times 8 = 144$ 11 5 36 52 $144 \overline{) 36.000}$ .361	$6 \times 4 \times 8 = 192$ 21 11 5 30 80 $192 \overline{) 41.000}$ .417
	40%	65%	36%	41%
			398	

TR = total number of responses to variables in the cluster  
T = number of tasks in the cluster  
V = variable  
R = maximum number of respondents in any task in that cluster

PERCENTAGE LANGUAGE SKILLS  
NOS 546

TR = total number of responses to variables in the cluster  
T = number of tasks in the cluster  
V = variables  
R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\frac{TR + (T)(V)(R)}{TR} = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
GRENADES 071-11A-2101 071-11A-2104 071-11B-2105 071-31-4402	$6 \times 5 \times 6 = 180$ 28 23 28 30 23 132 $180 \overline{) 132.000}$ .733	$6 \times 2 \times 6 = 72$ 19 31 50 $72 \overline{) 50.000}$ .694	$6 \times 3 \times 6 = 108$ 7 1 27 35 $108 \overline{) 35.000}$ .324	$6 \times 4 \times 6 = 144$ 23 7 28 59 $144 \overline{) 59.000}$ .41
	73%	69%	32%	41%
MINES 071-11A-4503	$1 \times 5 \times 5 = 25$ 4 3 4 5 3 19 $25 \overline{) 19.000}$ .760	$1 \times 2 \times 5 = 10$ 1 3 4 $10 \overline{) 4.000}$ .400	$1 \times 3 \times 5 = 15$ 5 11 31 47 $15 \overline{) 6.000}$ .400	$1 \times 4 \times 5 = 20$ 3 0 1 3 7 $20 \overline{) 7.000}$ .350
	76%	40%	40%	35%
VEHICLE OPERATIONS	$7 \times 5 \times 7 = 245$ 18 19 25 30 27 119 $245 \overline{) 119.000}$ .486	$7 \times 2 \times 7 = 98$ 4 30 34 $98 \overline{) 34.000}$ .347	$7 \times 3 \times 7 = 147$ 5 11 31 47 $147 \overline{) 47.000}$ .320	$7 \times 4 \times 7 = 196$ 19 5 11 24 59 $196 \overline{) 59.000}$ .301
	49%	35%	30%	30%
			99	

PERCENTAGE LANGUAGE SKILLS  
NOS 546

FORM	LISTENING	SPEAKING	READING	WRITING
TR + (T)(V)(R) = %	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
LEADERSHIP	$19 \times 5 \times 6 = 570$ $\begin{array}{r} 21 \\ 18 \\ 16 \\ 18 \\ \hline 21 \\ 94 \end{array}$ $570 \overline{) 94.000} \quad .165$	$19 \times 2 \times 6 = 228$ $\begin{array}{r} 13 \\ 21 \\ \hline 34 \end{array}$ $228 \overline{) 34.000} \quad .149$	$19 \times 3 \times 6 = 342$ $\begin{array}{r} 4 \\ 7 \\ \hline 21 \\ 32 \end{array}$ $342 \overline{) 32.000} \quad .094$	$19 \times 4 \times 6 = 456$ $\begin{array}{r} 18 \\ 4 \\ 7 \\ \hline 16 \\ 45 \end{array}$ $456 \overline{) 45.000} \quad .09$
	17%	15%	9%	10%
TRAINING	$1 \times 5 \times 4 = 20$ $\begin{array}{r} 2 \\ 3 \\ 1 \\ 3 \\ \hline 6 \end{array}$ $20 \overline{) 13.000} \quad .650$	$1 \times 2 \times 4 = 8$ $\begin{array}{r} 2 \\ 4 \\ \hline 6 \end{array}$ $8 \overline{) 6.000} \quad .750$	$1 \times 3 \times 4 = 12$ $\begin{array}{r} 0 \\ 1 \\ \hline 4 \\ 5 \end{array}$ $12 \overline{) 5.000} \quad .417$	$1 \times 4 \times 4 = 16$ $\begin{array}{r} 3 \\ 0 \\ 1 \\ 4 \\ \hline 8 \end{array}$ $16 \overline{) 15.000} \quad .9375$
	65%	75%	42%	50%
M60 MACHINE GUN	$7 \times 5 \times 7 = 245$ $\begin{array}{r} 39 \\ 29 \\ 35 \\ 39 \\ \hline 40 \\ 182 \end{array}$ $245 \overline{) 182.000} \quad .743$	$7 \times 2 \times 7 = 98$ $\begin{array}{r} 25 \\ 32 \\ \hline 57 \end{array}$ $98 \overline{) 57.000} \quad .582$	$7 \times 3 \times 7 = 147$ $\begin{array}{r} 13 \\ 4 \\ \hline 34 \\ 51 \end{array}$ $147 \overline{) 51.000} \quad .347$	$7 \times 4 \times 7 = 196$ $\begin{array}{r} 29 \\ 12 \\ 4 \\ \hline 30 \\ 76 \end{array}$ $196 \overline{) 76.000} \quad .3875$
	74%	58%	35%	39%
			10%	

TR = total number of responses to variables in the cluster  
T = number of tasks in the cluster  
V = variable  
R = maximum number of respondents in any task in that cluster.

**PERCENTAGE LANGUAGE SKILLS  
NOS 546**

TR = total number of responses to variables in the cluster  
T = number of tasks in the cluster  
V = variables  
R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\frac{TR + (T)(V)(R)}{TR} = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
GENERAL CHEMICAL AND BIOLOGICAL OPERATIONS	$15 \times 5 \times 8 = 600$ 82 71 $600 \overline{) 388.000}$ .647 72 83 80 <u>388</u>	$15 \times 2 \times 8 = 240$ 25 74 <u>99</u> $240 \overline{) 99.000}$ .413	$15 \times 3 \times 8 = 360$ 17 18 71 <u>106</u> $360 \overline{) 106.000}$ .294	$15 \times 4 \times 8 = 480$ 71 17 18 64 <u>170</u> $480 \overline{) 170.000}$ .35
	65%	41%	29%	35%
GENERAL PAATHOLOGICAL OPERATIONS	$11 \times 5 \times 8 = 440$ 53 49 $440 \overline{) 259.000}$ .589 48 54 55 <u>259</u>	$11 \times 2 \times 8 = 176$ 22 54 <u>76</u> $176 \overline{) 76.000}$ .432	$11 \times 3 \times 8 = 264$ 11 0 0 <u>11</u> $264 \overline{) 87.000}$ .330	$11 \times 4 \times 8 = 352$ 49 11 20 50 <u>130</u> $352 \overline{) 130.000}$ .36
	59%	43%	33%	37%
DA FORMS	$2 \times 5 \times 7 = 70$ 11 9 8 $70 \overline{) 45.000}$ .643 7 10 <u>45</u>	$2 \times 2 \times 7 = 28$ 2 7 <u>9</u> $28 \overline{) 7.000}$ .321	$2 \times 3 \times 7 = 42$ 0 11 9 <u>20</u> $42 \overline{) 20.000}$ .476	$2 \times 4 \times 7 = 56$ 9 0 11 8 <u>28</u> $56 \overline{) 28.000}$ .5
SSI-64C-1002 SSI-64C-1003				
		32%	48%	50%
			161	

PERCENTAGE LANGUAGE SKILLS  
MOS 546

FORM	LISTENING	SPEAKING	READING	WRITING
TR + (T)(V)(R) = %	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
1. ANALOGICAL EQUIPMENT MAINTENANCE  031-504-1010 TUNING 021-504-1013	$4 \times 5 \times 7 = 140$ 20 19 17 $140 \overline{) 93.000}$ .664 20 17 93	$4 \times 2 \times 7 = 56$ 10 20 30  56 $\overline{) 30.000}$ .536	$4 \times 3 \times 7 = 84$ 0 5 20 25  84 $\overline{) 25.000}$ .298	$4 \times 4 \times 7 = 112$ 19 0 5 14 38  112 $\overline{) 38.000}$ .339
	66%	54%	30%	34%
2. CHEMICAL/BIO- LOGICAL EQUIP- MENT MAINT. REPAIR	$3 \times 5 \times 8 = 120$ 13 14 11 $120 \overline{) 63.000}$ .525 14 11 63	$3 \times 2 \times 8 = 48$ 8 13 21  48 $\overline{) 21.000}$ .438	$3 \times 3 \times 8 = 72$ 2 4 12 18  72 $\overline{) 18.000}$ .250	$3 \times 4 \times 8 = 96$ 14 2 4 11 31  96 $\overline{) 31.000}$ .323
02-534-1014 TUNING 02-504-1016				
	53%	44%	25%	32%
DECONTAMINATION	$27 \times 5 \times 3 = 405$ 41 46 41 $405 \overline{) 201.000}$ .496 30 43 201	$27 \times 2 \times 3 = 162$ 9 35 44  162 $\overline{) 44.000}$ .272	$27 \times 3 \times 3 = 243$ 0 4 18 22  243 $\overline{) 22.000}$ .091	$27 \times 4 \times 3 = 324$ 46 0 4 38 88  324 $\overline{) 88.000}$ .272
	51%	27%	9%	27%

TR = total number of responses to variables in the cluster  
 T = number of tasks in the cluster  
 V = variables  
 R = maximum number of respondents in any task in that cluster

$R$  = total number of responses to variables in the cluster  
 $T$  = number of tasks in the cluster  
 $V$  = variables  
 $R$  = maximum number of respondents in any task in that cluster

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#### APPENDIX 4

##### OBSERVATION FORMS

The attached forms were taken to the actual training where observers recorded actual training situations and language used in the training. These forms were used to indicate the CONDITIONS for the Job Language Performance Requirements in this MOS.

MOS \_\_\_\_\_

PERSON RECORDING \_\_\_\_\_

LOCATION  
(UNIT/AIT) \_\_\_\_\_

SUBJECT \_\_\_\_\_

\* TASK NUMBER IF KNOWN \_\_\_\_\_

Physical Environment of Instruction

- A. Classroom
  - B. Open Areas (live firefield- mark-up terrain)
  - C. Large enclosed area (bleacher sites)  
(Warehouse size)
  - D. Other
- Comments:

Styles of Communication Instructor, Verbal orders

- A. Formal Speech
  - B. Informal Speech
  - C. Regional/Ethnic
  - D. Body Language
  - E. Profanity
  - F. Shop talk/slang
  - G. Non-standard English
  - I. Other
- Comments:

Media of Instruction

- A. Films
  - B. Video cassettes
  - C. Graphic Training Aids (diagrams, etc....)
  - D. Illustrations (requiring reading/not requiring reading)
  - E. Maps
  - F. Mock-ups
  - G. Models/Aimulate
  - H. Real equipment
  - I. Transparencies
  - J. Tape cassettes
  - K. Training Publications (required/available)
  - L. Signs/Notices
  - M. P.A. System
  - N. Normal Voice
  - O. Soldier's Manual
  - P. Chalkboard
  - Q. Other
- Comments:

Mode of Response

- A. Manipulating a piece of equipment/device
  - B. Answers (spoken - written)
  - C. Signals
  - D. Performance
  - E. Taking Notes
  - F. Teamwork
  - G. Other
- Comments:

Instructional Ratio

- A. Instructor; one-to-one/class
  - B. Peer/one-to-one
  - C. Group or Committee Group (group of instructors of whom one teaches one portion of the whole)
    - Small (12 or less)
    - Large (more than 12)
  - D. Other
  - E. Questions
- Comments:

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APPENDIX 5

STRUCTURAL/LEXICAL LIST

Attached is the list of  
structural and lexical items  
for this MOS.  
(For discussion, see Section II)

## STRUCTURAL ITEMS

### SENTENCE PATTERNS

**SIMPLE:** One subject and one predicate

1. Subject and action verb  
Firer aims.
2. Subject and action verb and direct/indirect object  
Many things cause burns.
3. Subject and linking verb and subjective complement  
This is very important.

**COMPOUND:** Two or more sentences joined by:

1. Coordinating conjunction

Explain the task and ask the trainees if they understand the task, and the conditions they are expected to perform at the end of the session, the conditions under which they must operate, and the standard they must achieve.

2. Conjunctive adverb

Do not start or stop the vehicle while the radio is on or you may damage the set.

3. Semicolon

A light pressure is exerted on the driving spring when the bolt is forward; however, never attempt to cock the gun while the backplate is off and the driving spring assembly is in place.

**COMPLEX:** One or more dependent clauses

1. Adjectival (functions as an adjective by modifying nouns and pronouns)

At the bottom of the map you will find three different bar scales which will help you to change map distance to miles, meters, or yards.

2. Adverbial (functions as an adverb by modifying verbs, adjectives, and other adverbs) The mouth-to-nose method is performed in the same way except you blow into his nose while you pinch his lips closed with one hand.

3. Noun (functions as a noun) The person who is performing artificial respiration quickly blows into the casualty's lungs after each five compressions.

## SENTENCE TYPES

### 1. INTERROGATIVE

(do, does, modal, wh-, tag, inverted)  
But what about the other 15 meters?  
Ask, "What is there?"

### 2. DECLARATIVE

Classified information will not be discussed over the telephone.

### 3. EXCLAMATORY

HALT!

### 4. IMPERATIVE

Issue the challenge in a soft voice and wait for the (requests, commands, second person (singular/plural, negative/affirmative), First and second person (let's)) stranger to reply with the correct password.

### 5. ELLIPSIS:

Split the bracket until fire for effect is possible. Most common type of ellipsis--subject deleted

### 6. FRAGMENT

Movement to occupy a position.  
All other parts.

## ADVERBIAL CLAUSES

### 1. PURPOSES

Training must be conducted so that at least 80% of the students can accomplish the task trained to the standards specified for the task.

### 2. CONTRAST

Although natural terrain features are likely not to change and make good reference points to orient a map, you may also use manmade features such as roads, bridges, etc., to orient your map.

### 3. COMPARISON

Place suitable material under him as well as over him if necessary.

### 4. RESULT

Blending is the use of camouflage materials on, over, and around an object so that it appears to be part of the background.

5. MANNER

Take deep breath and place mouth around soldier's mouth; then blow forcefully as you observe his chest.

6. TIME

When you have to go a certain distance on foot without any landmarks to guide you, you can measure distance pretty accurately by counting your paces.

Split the bracket until fire for effect is possible.

7. PLACE

Loosen clothing at neck, waist, and other places where it tends to bind.

8. CAUSE

Be careful not to depress the trigger, since this will cause the firing pin to be released.

9. ADVERSATIVE

The casualty has no fractures, but has a bleeding wound.

10. CONDITION

If it isn't, your rifle can still fire, but it could possibly explode, causing you harm.

PHRASES

1. GERUND

(upon) Hearing the correct password, give permission to pass if you have no other reasons to doubt.

2. PARTICIPIAL

Using a straightedge draw a line between the two objects.

3. INFINITIVE

To camouflage exposed skin paint the shiny areas with a dark color.

4. PREPOSITIONAL

Under certain light conditions, front sight ports can be seen, but you can't determine whether you are looking through, above, or to the side of the rear sight aperture.

## LEXICAL ITEMS

### ADJECTIVALS

"rifle bore cleaner"  
"waste material"  
"burning residue"  
"semi-fixed ammunition"  
"extracting/loading ammunition"  
"firing hammer"  
"four life-saving steps"  
"chest/heart massage"  
"tourniquet material"  
"field material"  
"field condition"  
"mouth-to-mouth resuscitation"

### ADJECTIVES

1. WORD + ABLE

AVAILABLE

2. COMPARATIVES

Threat main tanks are smaller than the US main battle tanks.

3. SUPERLATIVES

The most dangerous targets are those that see you, have the capability of killing you, and appear to be preparing to engage you.

### PRONOUNS

1. INDEFINITE

Have someone walk the FDL (if enemy situation permits), and determine dead space (sections of FDL where individual drops below line of sight).

2. POSSESSIVE

Shake his shoulder and shout, "Are you OK.?"

3. SUBJECTIVE

This will give you correct nomenclature.

4. OBJECTIVE

It will also give you the correct functioning.

5. REFLEXIVE

Keep yourself clear of the muzzle.

## VERBS

### 1. VERB TENSES

Make sure you clearly understand the task you are to teach.

--You will be tested.

--If they elect to take it, they must complete the test once they have begun the first event or else they will receive a NO GO for the entire test.

--If the soldier is breathing, mouth-to-mouth resuscitation is not necessary.

--When all 10 pebbles have been moved to the left pocket, you have traveled one kilometer.

--Have someone walk the FDL and determine dead space.

--Sensing is an instantaneous determination by the grenadier as to where the grenade exploded.

present progressive verb  
present verb (uninflected, third  
person, indicative)  
past tense (regular/irregular)  
present perfect  
future

### 2. TYPES

intransitive  
(You) train for results.

transitive  
Mask the casualty.

linking  
The skin becomes inflamed.

### 3. VOICE

active

recognize  
protect  
is facing  
remove  
explode  
sounds  
points out  
seen

appear  
seek  
secure  
wear  
mask  
stored  
do require  
could affect

has  
must be  
wipe  
rinse  
put brush  
empty  
reassemble  
reinstall



passive

given  
is protected  
is sprayed

are alerted  
are reported  
have been corrected

are authorized  
be corrected

passive+verb+ing  
"task will be performed  
using procedures"  
modal+passive voice  
"can be determined"  
modal+negative+passive  
"must not be eliminated"

#### 4. MODALS

You must demonstrate, once every 6 months, that you can meet or exceed the minimum level of physical fitness required of each member of your unit in accordance with the standards contained in AR 600-9.

Personnel over the age of 40 may elect not to take the APFT. The pulse should be found in the soft area between the Adam's apple and the large muscle on the side of the neck.

Injury or death could result.

During surveillance the operator will have to adjust the range focus to get a sharp image at different ranges.

"might have to be placed"  
"be"  
"will be given"  
"should be"  
"must"  
"must be"  
"can"  
"can be"  
"may be"  
"should not be"

#### 5. AUXILIARIES

(do, does, negative)

Do not zero in under 100 meters.

If the round does not fall within 5 meters of target, zeroing procedures are called for.

#### GERUNDS

Sensing is an instantaneous determination by the grenadier as to where the grenade explodes with respect to the target.

#### INFINITIVES

To fire, hold the M16A1 in the rest with your right shoulder firmly against the weapon's butt plate.

#### ADVERBS +

##### 1. SUPERLATIVE

When such a line of fire exists, the primary sector will be assigned, based on it, with the FDL being the sector limit closest to the friendly troops.

##### 2. INDEFINITE

The launcher has a heavy coat of oil on working parts, and a light coat of oil elsewhere.

##### 3. FREQUENCY

Apply a little graphite grease to the threads of the antenna section for easy removal and to prevent the sections from seizing if they have been rarely removed.

##### 4. OTHER

Assembly procedure for the grenade launcher merely reverses disassembly steps.

##### 5. COMPARATIVE

The care, cleaning, lubrication and adjustment of the mount used with the gun are no less important.

#### VERBS AND PREPOSITIONS

Line up the key in the receptacle with the slot in the cable connector.

#### VERBS AND ADVERB

(particles)

Put on the protective mask within nine seconds of the chemical alarm and remain in the contaminated area for at least two minutes without making further adjustments to the mask.

APPENDIX 6

VOCABULARY (DLIELC IN-HOUSE)

The following vocabulary list was extracted from the Soldier's Manual task by task and then categorized into GENERAL, BASIC AND TECHNICAL vocabulary.

6

MOS 54E

COMMON TASKS

FIRST AID PROFICIENCY

TASKS: 081-831-1004 THRU 1008 and 1010 and 1011

INDIVIDUAL NBC PROFICIENCY

TASKS: 031-503-1001 THRU 1010, 1013, and 1015 and 3004

081-831-1009-1012 1017

INDIVIDUAL FITNESS

TASKS 071-327-0201

CAMOUFLAGE, COVER, AND CONCEALMENT

TASKS 051-191-1361 thru 1363

071 11A 0705

071-331-0852

SECURITY AND INTELLIGENCE

TASKS 071-331-0801 and 0805

121-030-1503

INDIVIDUAL WEAPONS PROFICIENCY (M16, M203 GERMAN LANGUAGE)

TASKS 071-311-2001 thru 2006

071-311-4402

071-11A-2102 thru 2104

071-11B-2105

TACTICAL OPERATIONS (MGO MACHINEGUN, SMOKE POTS, VEHICLE, OPERATION, DETERMINES, OPERATE RADIO SET)

TASKS: 071-11B-3001

071-312-2322

031-503-2007

551-64C-1011, 1014, 1015, 1016

071-11A-4503

113-587-2002 and 2003

113-622-2002

COMMON TASKS

VEHICLES, RADIOS, WEAPONS MAINTENANCE

551-64C-1007, 1008, 1009

071-11B-3005

071-11A-2101, 0921, 0920

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MOS 54 E  
Skill Level I  
Task 031 503 3006  
Decontaminate Unit equip

5

GEN ENG

BASIC TRAINING

TECH

acceptable level  
air (v)  
apply  
available  
blot  
broom  
brush (v)  
bulk  
check (v)  
clean  
communication  
completeness  
contaminate (v)  
damage  
DARB  
decontaminate (v)  
decontamination  
direct (v)  
dirt  
dry  
dry mix  
during  
equipment  
establish (v)  
exercise caution  
fire  
flamable substance  
gasoline  
gear shift  
given  
hot  
identify (v)  
insure (v)  
leave on  
level  
level  
loose

biological agents  
chemical agents  
chemical hazard  
commander  
command decision  
if required  
personnel  
radar equipment  
radiological hazard  
vehicles/weapons

chemical agent detector kit  
DSZ  
lens cleaning solvent  
liquid blister agent  
mul decontaminating apparatus  
protective equipment  
radiometer  
STB

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GEN ENG

mat result  
metal  
minute  
mix (v)  
only  
operator  
operation  
optical instructions  
other  
parts  
perform (v)  
quart  
rags  
repeat  
requirement  
safe  
scrubbing/cleaning  
seat  
soak  
soapy  
solvent  
slurry  
specify  
spread  
swab  
step B  
steering wheel  
touch  
under  
wash  
water  
wear  
wear  
wipe  
without  
work crew

~~116~~  
117

Ref: TM 3-6665-225-12

TC 3-3

MOS 54E Skill Level I

4

Task 031 503 2004 Service the auto chem agent alarm system

GEN ENG

BASIC TRAINING

TECH

administrative  
after  
alarm  
as described  
as described in  
continue (v)  
continuous  
detect (v)  
given  
hours  
ignite (v)  
instructions  
operation  
place back in (twv)  
presence  
procedure  
reactivate  
service (v)  
shut down (twv)  
signal (v)  
so that  
use  
wear

alerts  
operability  
smoke grenade

automatic chemical agent alarm  
command guidance  
SQT

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MOS 54E Skill Level I

Ref: TM3-6665-225-12 TC3-3

Task 031-503-2005

Perform less than 24 hr chemical agent shutdown operations

GEN ENG

battery  
be ready  
damage  
discard  
disconnect  
empty  
four  
handle  
in case  
in place  
install (v)  
latch (v)  
less than  
lift  
meter  
new  
obtain (v)  
off  
order (v)  
over  
plug  
press  
pull  
read (v)  
recharging  
release  
release (v)  
screw  
securley  
shut down (twv)  
sit (v)  
situation  
snad (v)  
solution  
turn in (twv)  
unscrew  
wires  
without

BASIC MIL

chemical threat  
in the field  
performance measures  
SOP

TECH

air inlet  
air outlet  
automatic alarms  
automatic chemical agent alarm  
battery test knob  
binding post  
bottom case assembly  
catches  
closed position  
connector  
detector unit assembly  
hand crank  
horn off  
horn vol  
M10 power supply  
M42 alarm unit  
M43 dector kit  
power source  
rain shield and adapter  
reservior assembly  
solution reservior  
storage, position  
VDC, (volts DD)

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MOS 54E Skill Level I

Ref: TM3-665-12

Task: 031-503-2006

Perform more than 22 hr chemical agent alarm shutdown operations

2

GEN ENG

according to  
alarm  
anticipated  
batteries  
bottom  
cables  
clockwise  
close  
closed  
counter clockwise  
cover  
damage  
discard  
direct (v)  
distilled water  
empty  
engage (v)  
equipment  
fill (v)  
flip (v)  
for more than  
fully  
given  
handle  
hours  
inactivate  
install  
knurled  
liquid  
loosen  
make sure (twv)  
off  
old  
open  
press  
press in (twv)  
pull back (twv)

BASIC

chemical threat  
inactivate (v)  
in the field  
mounted  
power source  
sop  
vehicle

MILITARY

automatic chemical agent alarm  
binding posts  
bottom case assembly  
button up (twv)  
case  
chemical agent alarm  
detector power cable  
front panel  
horn off  
input connector  
lifting cover  
M10 Power supply  
M42 alarm  
M43 detector unit  
reservior assembly  
solution  
spring catch  
standby battery cable  
stroage position  
zero adjust knob

120

GEN ENG

reassemble  
release (v)  
remove  
rinse  
rotate (v)  
run  
screws  
screw down (twv)  
secure  
separate (v)  
set (v)  
shut down (twv)  
snap on (twv)  
sound (v)  
strap  
such that  
switch  
wires  
without

GEN ENG

absence  
air  
area  
backing  
belt  
blister  
blood  
bottom  
center  
clean  
color change  
contain  
contaminate (v)  
corner  
correctly  
crush  
determined  
direct  
directly over  
discard (v)  
down  
end  
enter (v)  
expose (v)  
foil envelope  
gloves  
green  
horizontally  
insure (v)  
left hand  
liquid  
mark  
mask  
mask  
nerve  
observe (v)  
observation  
operate  
outside  
package  
pierce (v)  
pockets  
presence  
remaining  
reinsert  
remove (v)  
report  
rub  
right-hand  
rotate

BASIC MIL

chemical agent  
in the field  
supervisor

TECH

ampoule  
chemical agent detector kit  
chemical agent identification  
and training sets (SCAITS)  
  
detector ticket  
heater  
leave in place  
nerve set  
M15AZA chemical agent detector (ICT)  
M15AZA detector kit  
M256 chemical agent detector kit  
M256 detector kit  
M72A1 simulant  
physiological classification  
plastic pocket  
protective strip  
sampler/detector  
type of agent  
white paper tab 2

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GEN ENG

round  
rub (v)  
safe, danger  
shield  
spot  
square  
squeeze (v)  
suspect (v)  
sun  
swing  
tab  
tablet (pill)  
tear  
test (v)  
top half  
turn over (twv)  
up  
use (v)  
wear (v)

MOS 54E  
Ref TM3-6665-308-10  
Task 031-504-1002  
Test water for chemical contamination

GEN ENG

all the way  
amounts  
appear (v)  
approximately  
assemble  
below  
bend  
black  
bring to a boil  
carefull  
color  
color change  
contents  
cup  
dangerous  
dark  
deep (er, est)  
depth  
develop (v)  
dip (v)  
discard  
dissolve (v)  
drop (v)  
dry  
fill  
fit (v)  
gently  
given  
heat source  
indicate (v)  
insert  
keep  
let  
list  
lighter  
mark  
most closely  
near  
neck  
negative  
only  
pellets  
performed  
plastic  
present

BASIC TRAINING

canteen  
requirement

TECH

ampoules  
AN-MZ- water testing kit  
arsenic test  
bottle P  
chemical agents air M2  
chemical contamination  
chlorine demandtes  
color chart  
cyanogen chloride  
decontaminate  
distinct lauers  
G-agents  
glass tube assembly  
heavy concentration  
level scoopfull  
metal scoop  
Ml (milliter)  
mustard test  
nitrogen mustards  
performance measures  
PH  
react  
react (v)  
reagent A  
reagent B  
reagent C  
reagent G  
reagent H  
reagent I  
reagent J  
reagent K  
reagent X  
~~risings~~  
Rubber stopper  
test paper  
  
vial B  
water testing kit  
wetted end  
yellow band  
yellow to brown stain

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GEN ENG

promptly  
possible  
positive  
put (v)  
quarter of an inch long  
remove (v)  
removal (v)  
resemble (v)  
resulting  
screw cap  
sequence  
share (v)  
slip (v)  
snap off (twv)  
so that  
stand (v)  
strip  
swirl (v)  
tablets  
take (v)  
test (v)  
tip  
top  
top end  
touch (v)  
tube  
upper end  
water source  
yellow

J

MOS 54E  
TASK 031-504-1003 SLI  
Ref: TM 3-665-268-10

GEN ENG

BASIC TRAINING

TECH

attach (v)  
break off  
collect (v)  
contaminate (v)  
contamination  
dip (v)  
don(v) (put on)  
empty  
end  
enter (v)  
extend (v)  
fill (v)  
given  
identify  
indicate (v)  
insert (v)  
liquid  
mark  
mark (v)  
open (v)  
outside  
place (v)  
possible  
recap  
remove (v)  
reseal  
rinse (v)  
roll (v)  
rub (v)  
samples  
seal  
soil  
spread (v)  
surface  
suspect (v)  
tie  
type  
water

higher HQ  
prescribed  
unit SOP

application  
biological agent  
biological samples  
CBR agent M34  
cotton tip  
field protective mask  
holding solution  
impregnated cotton gloves  
red cap  
rubber gloves  
sampling kit  
shipping tag  
square inches (36)  
sterile vial  
surface sample  
uncontaminated  
wetted application tip

GEN ENG

when

where



MOS 54E

TASK 031-504-1002 DECONTAMINATE

SKILL LEVEL 1

Ref: FM 21-40 TM3-204-124P

GEN ENG

avoid (v)  
charge (v)  
clothing  
depress (v)  
do not  
dry out (twv)  
enter (v)  
equipment  
fabric  
flow  
given  
grasp  
hissing noise  
hold (v)  
indicate (v)  
interrupt (v)  
last (v)  
left hand  
lift up (twv)  
lowe (v)  
object  
pick up (twv)  
point it  
prevent (v)  
refill (v)  
remove (v)  
rust (v)  
spray  
thoroughly  
thumb  
waste (v)  
wear (v)

BASIC TRAINING

directed to  
personnel  
training

TECH

ABC-M11  
body  
captive safety pin  
charging handle  
compressed gas  
contaminate  
corposive  
decontaminate  
decontamination apparatus  
DS 2  
gloves  
handle locking pin  
mask  
NBC enviornment  
Nitrogen cylinder  
peristent chemical agent  
pre filled  
thumb lever

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MOS 54E

TASK 031-503-3003 Determine Radiation Reading using IM-174 Radiometer

REF: TM 11-6665-213-12 TM11-232-12

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GEN ENG

actual  
adjust (v)  
appropriate  
as follows  
batteries  
bottom  
carefully  
cavity  
clean (v)  
click  
clockwise  
coincide with  
complete  
contact  
contain  
correct  
cut (v)  
determine (v)  
down  
during  
examine (v)  
excess  
face  
face (v)  
fall back (twv)  
fasten (v)  
fasteners  
fit (v)  
flush  
front  
given  
ground  
go out (twv)  
hold (v)  
indicate (v)  
in place  
insert  
install (v)  
layer  
lift (v)  
marking  
measure (v)  
meter (metric)

BASIC TRAINING

defective  
higher category maintenance  
mission  
orient (v)

TECH

battery board assembly  
battery contacts  
battery cover  
battery/lamp clip ring  
cable  
calib control  
calibrated  
(IM 174A PD or  
IM 174 PD radiometer)  
captive screen  
carrying case  
check  
check band  
cover assembly  
dose rate  
elec cal  
function switch  
glass portion  
instrument light  
lamp hole  
lamp switch  
locating hole  
locating pin  
lock plate  
lock plate screws  
low light level conditions  
meter (dial scale, instrument  
mate (v)  
monitor (v)  
panel meter  
phenolic retaining plate  
plus polarity  
pointer  
radar  
radiation  
radiation dose rate  
radiation readings  
radioactive dial  
raad  
sealing flange  
set control  
sudden kick  
threaded shaft  
thumbscrew  
up-scale

125

GEN ENGLISH

observe (v)  
off  
operation  
outside of  
over tighten  
parallel  
percent  
permit(v)  
plus or minus  
pointed end  
portion  
position  
prepare  
press (v)  
press down (twv)  
push back  
push back (twv)  
read (v)  
reading  
rear  
recess  
red mark  
0. release (v)  
remove (v)  
replace (v)  
respective  
respective positions  
return (v)  
rounded  
secure  
set (v)  
side  
slide (v)  
slip down (twv)  
snugly  
strain  
swing (v)  
tab  
thereby  
tighten (v)  
top  
top part  
turn (v)  
turn in (v)  
nscrew (v)  
unsnap (v)  
up  
up ~~west~~ high  
warm up (twv)  
wrap (v)

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MOS 54E

TASK 031 504 1004 MOUDTOR TERRAIN, PERSONNEL SUPPLIES

Equipment for Alpha Radiation using An, PDR 60 RADIAC SET

Ref: TM11-6665-221-15

GEN ENG

absence  
along  
ankles  
apart  
area  
arms  
around  
back side  
between  
calibrate (v)  
caution  
check (v)  
close to  
convert  
correctly  
correspond to (trv)  
damage (v)  
determine (v)  
dry  
elbows  
entire  
extend (v)  
feet  
final  
fingers  
forearms  
forehead  
front  
given  
grass  
grassy  
green  
ground  
hair  
hang (v)  
head  
hence  
higher  
hold (v)  
in contact with  
in control with  
inspect  
instrument  
insure (v)  
knees  
lay (v)

BASIC TRAINING

environmental conditions  
equipment  
field situation  
in garrison  
material  
operable  
personel  
personnel  
supplies  
task  
terrain

TECH

AC-J alpha detector  
AC-3FP face protector  
AN,DDR-60  
alpha contaminated environment  
alpha contamination  
background  
battery condition  
carrying case handle  
case assembly  
check source  
C5-1 check source  
C5-12 check source  
connector cable  
detector cable  
detector face  
detector face plate cover  
external detector selection switch  
full surface  
hand tighten  
medium size plastic bag  
mete reading  
meter indicator  
monitor (v)  
multiplier scale  
normal background CMP  
probe  
probe face  
readacmeter  
reset button  
scale multiplier  
scale switch  
tape  
XIK  
ZR position

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GEN ENGLISHBASIC TRAININGTECH

lips  
locate (v)  
minus  
missing  
motion  
move (v)  
multiply  
neckline  
noise  
observe  
operate (v)  
palms  
part  
perform (v)  
percent  
person  
physical condition  
place (v)  
plus  
position  
prepare  
presence  
proper  
reading  
repeat (v)  
remove  
seconds  
several  
**sharp**  
**sideward**  
slow  
sole of foot  
**special**  
spread  
stand (v)  
start (v)  
steady  
stiff  
straight  
surface  
suspect (v)  
sweeping

GEN ENGLISH

tape (v)  
through  
top  
torso  
touch (v)  
turn (v)  
turnover (twv)  
under

Ref: FM 3-12, TM 11-6665-209-15

MOS 54E 11-6665-230 15

SL1

Task 031-503-3009 for beta/gamma radiation using and/or 23 radiac  
Monitor personnel, supplies and equipment.

GENERAL ENGLISH

absence  
actual  
adjust (v)  
apart  
area  
arm  
arms  
ankles  
arrange (v)  
attach (v)  
await (v)  
back of  
battery  
both  
close (v)  
comfortable  
complete (v)  
completeness  
connect  
continue  
correctly  
damage (v)  
detect  
determine  
easily  
elbows  
end  
entire  
exhaust (v)  
extend (v)  
feet  
fingers  
fit  
foot  
forearms  
forehead

BASIC TRAIN

components  
equipment  
mission  
operating condition  
operable  
personnel  
requirement  
supervisor  
supplies

TECH

A AN PDR 27  
aural  
bat cond  
beta/gamma radiation  
carrying case  
carrying holes  
centerline  
contamination  
clips  
dose rate  
harness  
headset  
indications  
jack  
lower scale  
meter reading  
monitor  
monitor (v)  
moveable  
mrad scale  
next lower scale  
performance measure  
pointer  
probe  
probe window  
radiological  
radiometer panel  
range switch  
scale divisions  
stow (v)  
well

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GENERAL ENGLISH

BASIC TRAIN

TECH

surface

thick

through

torso

touch (v)

turn (v)

up

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MOS 54E SKILL LEVEL 1

TASK 031 504- 1006 Charge dosimeter

Ref: TM 11 6665-214-10; TB SIG 226-8

GENERAL ENGLISH

air  
air dry  
clean (v)  
clockwise  
counter-clockwise  
detergent  
dirty  
distilled water  
drops  
dry  
faulty  
given  
good  
indicate (v)  
left-hand  
level surface  
light source  
place (v)  
press (v)  
rapidly  
rinse  
rotate (v)  
straight down  
toward  
turn in (twv)  
wash (v)  
wave (v)

BASIC TRAIN

requirement  
supply

TECH

charge (v)  
charger  
charging end  
charging knob  
charging pedestal  
denatured alcohol  
dosimeter  
IM-9E, PD  
IM-147, PD  
IM-93 A/UD  
IM-93, UD  
light source  
performance measures  
protective cap  
radiac detector P1578 A/pd  
reticle (hairline)  
scale  
scale reading of zero  
socket  
window

MOS 54E

Task 031 503-3005

Ref FM 21-40

Skill level 1

prepare and submit NBC 1 reports

GEN ENGLISH

accurate  
action  
after  
appropriate  
build up (twv)  
center  
check (v)  
cloud  
connect (v)  
count (v)  
crater  
define (v)  
fense  
develop (v)  
edge  
fall back (twv)  
if in doubt  
includes  
initial  
instant  
lines  
location  
map  
measure  
minimum  
minutes  
mushroom  
paper  
part  
pencil  
permit (v)  
prepare (v)  
previously  
record  
slowly  
start  
subject (v)

BASIC TRAIN

aircraft  
artillery  
bomblets  
hit the ground  
subsequent

TECH

aiming circle M2  
air  
angular width  
azimuth  
blast wave  
blue white flash  
BC scores M65, M42  
chemical agent, detector kit  
compass  
compass M2  
coordinates  
degrees  
detonation  
earth particles  
elapsed time  
encircle  
flash precedence  
format for NBC 1 report  
grid coordinates  
ground zero  
hand held laser range finder  
AN/GUS-5  
immediate procedure  
intersection  
means of attack  
mils  
NBC attack  
nuclear burst cloud  
persistent  
stem  
surface  
theodolites T16 T2  
throw out  
vertical angle

GEN ENGLISH

BASIC TRAIN

TECH

submit

take (v)

thick

time

type

unexpected

visibility

watch

within

MOS 54E SKILL LEVEL 1

TASK 031-503-2001 Read and Request radication dosage

REF: FM21-40; TM11 6665-214-10

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GENERAL ENGLISH

BASIC TRAIN

TECH

basis  
eye  
given  
light source  
minus  
number  
plus  
point at (twv)  
read  
remove (v)  
report  
require (v)  
scehdule  
take (v)  
total  
value

unit SOP  
supervisor

cap  
carry position dosage  
charging end  
IM-93 (), US series J pocket  
dosimeter  
nuclear environment  
radiation dose  
rads  
reading  
scale  
viewing end

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MOS 54E SKILL LEVEL 1

TASK 551-64C-1002 Prepare DA Form 2404

Ref: FM 21-305, TM 38-75D

16

GENERAL ENGLISH

assistance  
below  
block  
completed (v)  
correct (v)  
date  
enter  
entries  
equipment  
initial (of names)  
items  
legible  
list  
mileage  
necessary  
normally  
number  
pen  
pencil  
person  
perform (v)  
portions  
prepare  
require (v)  
sign name  
time  
total  
utilize (v)  
vehicle  
weather

BASIC TRAIN

direct supervision  
field condition  
in garrison  
model  
mounted  
nomenclature  
organization  
rounds fired  
task  
weapon  
vehicle operators

TECH

applicable reference  
corrective action taken  
DA Form 2404  
date of reference  
discrepancies  
discrepancies/short comings  
equipment inspection and  
maintenance worksheet  
hot starts  
hours of operation  
item number  
log book  
man-hours  
maintenance supervision  
noted  
registrations/serial/NSN (national stock #)  
signature block  
status  
technical manual  
type of inspection  
turbine engines

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MOS 54E

TASK 551-64E-1003

REF. FM 21-305, TM 38-750

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GENERAL ENGLISH

appropriate  
assistance  
change (v)  
complete (v)  
conclusion  
during  
enter (v)  
entries  
equipment  
fault  
items  
initiate (v)  
legible  
list (v)  
necessary  
normally  
oil  
part  
pen  
pencil  
perform (v)  
portions  
prepare  
receive (v)  
require (v)  
serious  
sign  
steps  
turn in (twv)  
uncorrected  
utilize (v)  
vehicle  
weather conditions

BASIC TRAIN

field condition  
in garrison  
supervision  
task  
vehicle operations

TECH

before operation check  
DA Form 2408-1  
dispatch  
dispatcher  
equipment daily or monthly log  
hour meter reading  
odometer reading  
oil change or added  
operation period  
operational status  
reading hours  
reading meter  
signature of operator  
symbol CH  
total fuel added  
total lubricants added

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MOS 54E SKILL LEVEL 1

TASK : 031 504 1010

REF; TM 11-6665 213-12 AND TM 11 6665 232-12

perform operator and organizational maintenance OFM-174 series radioaction

GENERAL ENGLISH

bare spots  
batteries  
binding  
broken  
cable  
cleaning cloth  
clipboard  
complete  
condensation  
correct (v)  
corrosion  
cracked  
damage  
edges  
evidence  
external  
free  
free of dirt  
fine sandpaper  
frequent  
grit  
hardware  
inspect (v)  
internal  
interior  
items  
knob  
leaks  
loose  
maintenance  
mechanical action  
miss (v)  
note  
observe (v)  
open  
operator  
perform  
repair

BASIC TRAIN

higher echelon  
opposing forces

deficiencies

TECH

battery compartment  
battery/lamp compartment  
bent pointer  
breaks  
broken fasteners  
carrying case  
cuts  
deficiencies  
deterioration  
direct support maintenance  
electrical insulation tape  
employing nuclear weapon  
fraging  
fungus  
IM 174 series radiometer  
instrument light  
kinks  
meter glass  
operational check  
O-ring  
organizational maintenance  
set screws  
sling assembly  
spot-paint  
sticking pointer  
strain  
tears  
trichloroethane  
water proof gasket

1012

GENERAL ENGLISH

BASIC TRAIN

TECH

require  
sand  
smooth  
soft brush  
stiff brush  
support  
switch  
threat  
tighten (v)  
turn-in (twv)  
water leakage  
worn



MOS 54E SKILL LEVEL 1

TASK 031-504-1011

REF: TM 11-6665-230-15

19  
Perform operator and organizational maintenance on AN/PDR-27 radiac set.

GENERAL ENGLISH

apparent  
area  
batteries  
binding  
bolts  
broken  
cable  
clean  
clean (v)  
cleanliness  
clipboard  
condition  
correct (v)  
corrosion  
cracked  
damage  
damage (v)  
dirt  
dispose of (twv)  
dry  
employ (v)  
exposed  
exterior  
fail (v)  
flexible  
free of  
given  
good condition  
grit  
insure (v)  
items  
looseness  
maintainance  
mark (v)  
metal parts  
missing  
nuts  
observe (v)  
open

BASIC TRAIN

components  
deficiencies  
higher echelon  
opposing forces

TECH

aluminum case  
AN/PDR-27 radiac set  
bat  
bat cond  
battery compartment seal  
bent pointer  
breaks  
case  
control (n)  
cuts  
  
DA Form 2404  
detector probe  
deterioration  
electrical insulation tape  
fraying  
harness  
headset  
insulation breaks  
kinks  
loose terminals  
mechanical action  
meter glass  
nuclear weapons  
panel meter  
pointer  
radioactive test sample  
radioactive waste  
range switch  
signs of leakage  
spare tubes  
sticking pointer  
strain  
touch up paint

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GENERAL ENGLISH

BASIC TRAIN

TECH

present  
register (v)  
reload  
repair (v)  
replace (v)  
require  
sand  
screw driver  
smooth  
still  
support  
surfaces  
threat  
tighten (v)  
turn (v)  
turn - in  
washers  
wear  
wrench

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MOS 54E SKILL LEVEL 1  
TASK 031-504-1012  
REF: TM 11-6665-221-15

Perform operator maint on AN PDR 60 radiac set.

GENERAL ENGLISH

ammount  
as follows  
bare spots  
black lacquer  
brush  
cable  
check  
clipboard  
conditions  
correct (v)  
corrosion  
cover (v)  
cracks  
dampen (v)  
dirt  
disposal  
dust  
exterior  
fine sandpaper  
free of  
given  
grit  
inspect  
lightly  
maintain (v)  
maintainance  
paint (v)  
painted surfaces  
perform  
replacement  
requirement  
sand  
sandpaper  
scratches  
signs  
small  
store (v)  
support  
surfaces  
tighten (v)  
turn in (twv)  
unusual  
use (v)  
wash

BASIC TRAIN

deficiencieies  
higher eschelon

TECH

alpha detector face  
AN/PDR-60 radiac set  
bare metal  
bare spots  
bent pointer  
case assembly  
check sources  
chips  
cleaning compound  
coats of paint  
connecting cable  
contamination  
cuts  
DA Form 2404  
damaged sources  
damaged aluminum window  
decontaminate  
dents  
detectors  
deterior of insulation  
gamma detector  
ground in dirt  
handles  
hinges  
instrument  
kinks  
latches  
lint-free cloth  
loose bolts  
looseness  
meter glass  
missing bolts  
missing nuts  
missing screws  
operational nuclear accident/  
incident control (NAIC) team  
operators maintenance  
organizational maintenance  
punctures  
radar and radio repairmans tool  
radioactive waste  
signs of warping  
soft bristle brush  
sticking knob  
sticking pointer

GENERAL ENGLISH

BASIC TRAIN

TECH

sticking switch  
swelling

MOS 54E

TASK 031 504 1013 SKILL LEVEL 1

REF: TM: 11 6665-214 10

Peri operator and organizational maintenance or Radiameter

GENERAL ENGLISH

bind (v)  
blow (v)  
cellophane  
clean (v)  
complete  
correct (v)  
corrosion  
damage (v)  
dirt  
dirty  
drops  
dust  
employ (v)  
exposed  
fidelity  
force of  
insert (v)  
interior  
items  
loose press  
lost  
metal surfaces  
moisture  
objects  
open-ends  
perform  
record (v)  
regular intervals  
remove  
require  
reset (v)  
rinse  
sand  
see that  
sharp  
solu  
store  
support  
thoroughly  
turn-in (twv)  
unusual

BASIC TRAINING

be alert  
higher echelon  
opposing forces  
threat

TECH

adapter  
adapter container  
broken metal hooks  
broken window glass  
carrying case  
case screws  
charge  
charger  
charging contact  
charging end  
charging knob  
charging pedestal  
charging socket  
charging socket adaptel  
DA Form 2404  
deficiencies  
denatures alcohol  
detergent  
distilled water  
dosimeter  
dust cap  
elastic strap  
fraying  
light operatur  
lint-free cloth  
nuclear weapons  
operators maintenance  
protective cap  
radiac charger PP-1578  
radiacmeter IM-P3  
radiation free  
recharge  
socket  
tears

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MOS 54E

TASK 031-504 1014

REF: TM 3-6665-308 10/C2

Perform operator maint on watertesting kit

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GENERAL ENGLISH

BASIC TRAINING

TECH

compartment

Requisition

correct

cap (v)

cycle

chemical agent detector

drain (v)

chemical weapons

exchange (v)

detector tickets

given

discard date

insufficient

instruction pamphlet

mark (v)

plastic case

outdated

reagents vials

ready

refill kit

serviceability

water testing kit

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MOS 54 E

TASK 031-504-1015

REF: TM 3-6665-253-12, TM 3-6665-254-12, TM 3-6665-327-10

Perform operator maint or chemical

GENI      ENGLISH

BASIC TRAINING

TECH

clean  
clean (v)  
notify (v)  
outside  
quantities  
sufficient  
tear (v)  
usable  
verify (v)  
wide (v)  
yellow

supply

carrier  
chemical agent detector kit  
colorless  
components  
deplete (v)  
discard date  
green-band detector tube  
impregnated silicagel  
in any manner  
light pink  
light tan  
packing envelope  
red-band detector tube  
without regard to

22

150

MOS 54E SKILL LEVEL 1

TASK 031-504-1016 Perform organizational maint on protective masks

REF: TM 4240-279-20P

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GENERAL ENGLISH

BASIC TRAIN

TECH

attach (v)

inspection

cavity

base

channel

bottom

clip and buckle assembly

cut-off (twv)

crimping ring

equal

detach (v)

excess

fit (v)

dip (v)

face blank

force (v)

filter element

from beneath

fingers of clip

grasp (v)

flap

hole

flap buttons

inplace

frame

lift (v)

head harness

moisten (v)

hose

mold

level

outer edge

lugs

pocket

nose up

position (v)

protective mask

protude (v)

quick disconnet coupling half

removal

repair parts

remove (v)

short buttons

replacement

studs

stretch (v)

tail

tab

tempe pins

tension

thread (v)

voice mitter outlet valve cover

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MOS 54E

TASK 113 573 4002 tables included

SKILL LEVEL TWO (2)

REF:

GENERAL ENGLISH

appear (v)  
arrange (v)  
as follows (v)  
directly  
design (v)  
desirable  
device  
different  
find  
group  
group (v)  
include (v)  
indicate (v)  
letter (alpha)  
locate (v)  
message  
standing  
number  
obscure  
one at a time  
perform (v)  
portions  
position (v)  
possible  
provide (v)  
repeat (v)  
same order  
select (v)  
seriously  
set up (two)  
  
statement  
substitute (v)  
succeeding  
inside and (v)  
inused  
weather condition

BASIC TRAINING

in garrison  
in field

TECH

authenticate  
cedi KAL 61B KTC 1400 numeric  
challenge  
challenged party  
cipher  
cipher letters  
code  
communication nets  
controlling authorities  
coordinates  
counter challenge  
digit  
digraphs  
encrypted, decrypted  
grid zone  
line indicator column  
plaintext numbers  
preclude  
randomly  
reader guide  
reply  
self-authenticate  
set indicator  
set letter  
table  
transmission  
variants

25

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MOS 54E

TASK 113-571-2002

SKILL LEVEL 2

REF.

Enclos and decode using KTC 600

GENERAL ENGLISH

BASIC TRAINING

TECH

alphabetical  
arrange (v)  
contact (v)  
contain (v)  
copy (v)  
corresponding to  
dictionary  
error  
locate (v)  
message  
mistake  
paper  
pencil  
phrases  
portion  
receive (v)  
repeat (v)  
spell (v)  
start (v)  
words  
write (v)  
write down (twv)

direct (v)  
task

assign (v)  
check against (twv)  
code groups  
correct out  
decode (v)  
double letters  
effective  
enclose  
execute  
factual operations code KTC6  
group count  
interrogative groups  
operations code  
pause  
plan  
plain text  
phonetically  
pro words, procedures  
recontact  
retransmit  
say again  
spares  
station  
time of change  
time frame  
verify  
word phrase

153

MOS: 54 E SKILL LEVEL II

TASK 071 329 1001

Ref: FM21-26

Identify terrain features on the Map

27

GENERAL ENGLISH

BASIC TRAIN

TECH

black  
blue  
brown  
colors  
examples  
green  
identify (v)  
indicate (v)  
information  
lakes  
majority  
mark (v)  
main roads  
occasionally  
red  
rivers  
special  
standard  
swamps  
wood

built-up areas  
classes of features  
cultural features  
depression  
hilltop  
man made features  
marginal information  
military map'  
natural features  
orchards  
relief feature  
ridge  
saddle  
scale  
special features  
valley  
vegetation  
vineyards  
water features

154

28

MOS 54 E

SKILL LEVEL II

TASK 071 329 1004

REF: FM 21 26

Determine the elevation of a Point on the group using a Map

GENERAL ENGLISH

BASIC TRAIN

TECH

cross (v)

direction

ground

half

indicate (v)

locate (v)

numbers (v)

one-fourth

seek (v)

sol

bench marks

contour interval

coordinate

depression

designated point

digit

elevation

index contour line

marginal information

plot (v)

relief

spot elevations

supplementary lines

unmarked

155

MOS 54E

SKILL LEVEL II

TASK 071-329-1005

REF: FM 21-26

Determine a location on the ground

GENERAL ENGLISH

BASIC TRAIN

TECH

conclude  
location  
minutes  
put away (tr)  
relate (v)  
surround  
unknown  
use (v)

coordinate scale  
digit  
four cardinal directions  
magnetic compass  
map coordinates  
military map  
orient  
protractor  
terrain feature

MOS: 54E SKILL LEVEL II

TASK 071 329-1008

REF: FM21-26

Measure group distance

20

GENERAL ENGLISH

daylight

distance

divided by

deep (v)

level ground

meters

objects

pencil

point

per it

procedures

refer

road

step (v)

string

tie a knot

touch

turn

BASIC TRAIN

pivot (v)

TECH

alive

curve line distance

extension scale

meter division marks (1000)

meter graphic scale

pace count

scale

straightedge

straight line of distance

strip- of paper

tick mark

topographic map

157

MOS 54E

TASK 071 328 5301

Skill Level II

REF 22-5

Insp personnel/equipment

GENERAL ENGLISH

BASIC TRAIN

TECH

ammount  
belt buckle  
chance  
eliminate (v)  
familiar  
find  
fit  
general appearance  
haircut  
head  
important  
it  
miss (v)  
motion  
notice  
note  
pay attention to (twv)  
remember  
save  
shave  
specify (v)  
starting point  
start  
study (v)  
time

awards  
applicable to  
collar insignia  
deficiencies  
equipment  
footgear  
gig line  
headgear  
inspect (v)  
inspection site  
patches  
personnel  
preventive maintenance checks  
uniform  
unit sop  
unit standards

basic issue items list  
broealy sequence  
ready regonizable point

158

MOS 54 E  
TASK 071-321-5302

REF: none

SKILL LEVEL II

Service Maintenance and individual and TOE equipment

GENERAL ENGLISH

applicable  
assign (v)  
assistance  
complete  
determine  
list (v)  
obtain (v)  
specify (v)

BASIC TRAIN

allocate (v)  
assign (v)  
brief (v)  
direct (v)  
equipment  
inspect (v)  
maintenance site  
OTHE publications  
personnel  
standards  
tasks  
TM  
to be performed  
to be maintained

TECH

army  
OVERSUPERVISE  
spot check  
toe equipment

22

159



MOS 54E SL II

Task 071-328-5304

Ref: FM 21-10, FM 21-11

Enforce PM Program

22

GEN ENGLISH

BASIC TRAIN

TECH

( adhesive  
adjust (v)  
afford (v)  
allow (v)  
apply (v)  
as ---- as possible  
available  
boots  
broken in  
cap  
care of  
change (v)  
check (v)  
clean  
clacer  
clear (er,st)  
comply with (twv)  
constructions  
cooling  
corrections  
correctly fitted  
cross country  
cover  
cov (v)  
dai  
damp  
darkness  
daylight  
deep  
detect (v)  
di (v)  
dispose of)twv )  
double  
dry  
elevate (v)  
encourage (v)  
especially  
exchange  
exercise  
expalin (v)  
failures  
feet  
first opportunity  
free of  
frequent intervals  
function  
gallon  
harmful  
helr  
hol  
if necessary  
instructions  
insulation  
intake

adequate supply  
administrative  
BIUOUAC  
blisters  
brief (v)  
canteen  
care of feet  
conduct  
during march  
equip with (twv)  
field rations  
~~food powder~~  
gear  
human waste  
infections  
long march  
march  
mission  
noon break  
pressure spots  
prior to march  
purify  
rest periods  
short halts  
subordinates  
squid  
  
tactical  
team leader  
troops

cat-hole latrine  
circulation forstbite  
climate logical injuries  
heat/cold  
congestion  
~~disinfect~~  
disinfecting ability  
heat injuries  
human soild waste  
iodine tablets  
metabolism  
  
physical change  
preventive medicine meas  
saddle trench  
trench foot  
waste elemination

160

knotty darne  
layers  
lead to (twv)  
leakage  
less  
lightly  
lose  
minimum amount  
more frequently  
movement  
neck of  
new year  
ordinary  
overheating  
overnight  
pack down (twv)  
prespiration  
prior to  
promptly  
properly  
protect (v)  
protection  
quart  
quench  
relieve (v)  
remind (v)  
require (v)  
requirements  
rinse (v)  
sensation  
shake (v)  
shirt  
shoes  
socks  
steel gray  
stick together (twv)  
swelling  
tablets (pills)  
tender  
threads  
tighten (v)  
to insure  
train (v)  
trap (v)  
treat (v)  
various  
vital  
ventilation  
waist  
salt  
warm (v)  
wet

GENERAL ENGLISH

BASIC TRAIN

TECH

ass-  
ca ities  
clear  
complete  
consise  
consider (v)  
decisive  
explanation  
fearful  
ideas  
include  
insure (v)  
learn (v)  
materials  
mistakes  
overly  
periodically  
permit (v)  
quality  
questions  
recognize  
specific  
solicit (v)  
time

accomplish  
chain of command  
tasks

allocate resources  
mission  
oversuspence  
resources  
standards  
subordinates  
undersupervise

MOS 54E SL II  
~~Task~~ Task 874-896-2001  
Ref: FM 21-6  
Conduct a Performance oriental Training Session

35

GENERAL ENGLISH

BASIC TRAIN

TECH

allow (v)  
conclusion  
demonstrate  
deney (v)  
explain (v)  
explanation  
failure  
houss  
identify (v)  
individual  
inform (v)  
insure (v)  
judge (v)  
ma-ter  
mi .tes  
practice (v)  
prepare (v)  
require  
reason  
suff  
sufficient  
teachable  
test (v)

trainees

allocate (v)  
conduct (v)  
critical  
demonstration  
estimate  
evaluate (v)  
evaluator/supervisor  
intermediate training ob  
tive  
motivation  
phases  
rehearse (v)  
resources  
  
sessions  
standards  
talk thru  
■ terrain  
trainer  
training aids  
training objective  
training session  
unrealistic

163

GENERAL ENGLISH

ld (v)  
all inclusive  
alter (v)  
bush  
capable of (twv)  
clær  
consise  
delete (v)  
detail  
develop (v)  
fall (v)  
format  
inform (v)  
issue (v)  
location  
method  
minimum  
minutes  
narrow down (twv)  
plan  
primary  
seize  
specific  
sufficient  
tree

BASIC TRAIN

assemble (v)  
automatic rifleman  
company mortars  
dedloy (v)  
enemy  
field environment  
friendly  
guide  
machine guns  
mission  
oral squad order  
platoon leader  
reconnaissance squad  
reconnaissance team  
sight (v)  
squad leader  
squad member  
to man

TECH

ammunition supply  
arm and hand signals  
attachments and detachment  
base of fire  
base squad  
base team  
bandoleer or ammunition  
bounding overwatch  
command posts  
command & signal  
commence firing  
company aid post  
concept of operation  
consolidate  
consolidation instructions  
coordinating instructions  
critical signal instruction  
defensive operative order  
defensive position  
defensive order  
displace to (twv-mil)  
drop SFF (twv-mil)  
elements  
employing nuclear weapons  
excution  
evacuation of casualties  
fire and maneuver  
fire and support case  
final coordination line  
final protective fires  
ld  
LP/OP  
lifting fires  
local security  
local security post  
location of assault position  
location of objective  
Maximum suppressive fire  
messing instructions  
medical evacuation  
mission of higher and  
adjacent units  
mission of squad  
mission of platoon  
mission  
objective  
on position  
offensive order  
operation orders  
order of march  
order of route  
platoon colum  
platoon anti tank weapon  
platoon/detachment  
pocker size reference

164

GENERAL ENGLISH

BASIC TRAIN

TECH

probable courses of action  
red star cluster  
rejoin (v)  
redgeline  
rifle platoon  
shifting fires  
service support  
situation'  
smoke streamer  
squad attack order  
squad defensive order  
strenfth/weakness Military  
conupts  
terrain sketch  
type of emplacements  
work priority

165

MOS 54E SLII

Task 071-11B-5701

Ref: TC7-1, FM 7-7

Supervise the preparation of squad defensive position

27

GENERAL ENGLISH

correct (v)  
construct (v)  
convenience  
designate (v)  
destruction  
dig(v)  
discipline  
exploit (v)  
extend  
imply (v)  
insure (v)  
lapse  
aight  
litter  
modern  
noise  
observe (v)  
overall  
pertain to (twv)  
prepare (v)  
proficient (v)  
provide (v)  
range  
sacrifice (v)  
specify (v)  
speed  
survive  
techniques  
total  
warning

BASIC TRAIN

battlefield  
camouflage/concealment  
camouflage techniques  
commander  
defense  
dig in (twv-mil)  
initiative  
emplacements  
manpower  
security  
squad leader  
unit SOP

TECH

assigned sector  
crew served positions  
crew served weapons  
concealed routes of withdrawal  
frontal cover  
listening post/observation posts  
mutually supporting  
NBC team/squad  
patrols  
platoon area  
priority of work  
PSID'S  
security  
STAND devices  
starlight scopes  
toe equipment and weapons

166

MOS 54E

Task 031-503-4005

Ref FM 3-50

Select Smoke Pot Position of concealing Unit Location

GENERAL ENGLISH

decision  
direction  
distance  
estimate (v)  
minimum  
multiply (v)  
spacing  
speed  
twice  
value  
wind

BASIC TRAIN

commander  
headquarters  
terrain  
upwind

TECH

Perpendicular to wind  
direction  
smoke blanket  
smoke haze  
spacing guide  
smoke screen  
temperature gradient  
unit position



MSO 54E SL II  
Task 021-503-3002  
Ref FM21-40

Initiate unmasking procedures

GENERAL ENGLISH

absence  
assume (v)  
available  
breath  
considerable  
deep  
determine (v)  
expose (v)  
hold (v)  
initiale  
open  
period  
procedures  
safely

BASIC TRAIN

break the seal  
chemical agents  
mask (v)  
personnel  
remask  
reseal mask  
unmask (v)

TECH

chemical agent de

0.

MOS 54E  
TASK 831-503-4012  
Ref: FM 21040, TM 3-6665-225-12

*Emplace*  
~~Employee~~ Automotive Chemical  
Agent Alarm System 40

GENERAL ENGLISH

actual  
assume (v)  
danger  
determine (v)  
direction  
distance  
in the event of  
location  
major  
maximum  
meters  
mobile  
operating  
stationary  
telephone cable  
wind

BASIC TRAIN

advance  
broken terrain  
dependent  
direct attack  
emplace  
employ (v)  
facilitate  
optimum  
rear  
radio/telephone communications  
upwind  
up wind flank  
walking time

TECH

automatic chemical agent alarm  
system  
  
chemical agents  
delivery threat  
detector unit  
increased protective posture  
mission oriented protective  
posture

169

MOS 54E  
TASK 031-504-2001  
REF TM 3-6665-308-10; TM3-6665-268-10

Supervisors Operation of Winter  
testing kit

GENERAL ENGLISH

BASIC TRAIN

TECH

assist (v)  
collect (v)  
date  
deliver (v)  
determine (v)  
holes  
indications  
insure (v)  
interfere (v)  
location  
mark (v)  
operation  
pair  
permit (v)  
positive  
proper amounts  
properly  
result (v)  
rubber gloves  
sequence  
spot check (twv)  
time  
turn-in (twv)  
unreliable  
unserviceable  
unsure  
wear (v)

detail  
in accordance with  
mustard  
performance measures  
requirement  
supervise (v)

AN-M2 water testing kit  
Arsenic test  
authorized protection equipment  
biological contamination  
biological samples  
biological sampling kit  
CBC agent M34  
chemical contamination  
chlorinated  
chlorine demand test  
conduct tests  
designated receiver  
G agents  
iodinated  
M-34 sampling kit  
mustard test  
outdated  
PH test  
reagents  
re cap  
reseal  
sample numbers  
test/sample  
treatments  
vials  
water contamination  
water testing kit

MOS 54E SL II  
TASK 031-504-2002  
RE: TM 3-6665-254-12

Supervise the operation of the  
chemical agent detector kit

GENERAL ENGLISH

BASIC TRAIN

TECH

absence  
actually  
atmosphere  
bear in mind  
caution  
characteristic  
complete  
components  
compress  
correctly  
detach (v)  
detect (v)  
discard (v)  
disks  
edges  
fringe  
handle (v)  
indicate (v)  
insert (v)  
insure (v)  
interpret (v)  
massage (v)  
observe (v)  
operation  
presence  
present  
prior to  
properly  
reasonable time  
reinsert (v)  
removal  
reverse (v)  
series  
snap (v)  
squeeze (v)  
sufficient  
tear  
tests  
uniformly  
unmarked  
useable  
wet

conduct (v)  
entry into  
simulate  
supervise

aspirator bulb adapter  
belt of detector tickets  
blister  
blood  
caustic soda  
chemical agent detector kit  
complete cycle of tests  
concentrations  
contaminated area  
controlling person/party  
correct physiological classification  
~~decontaminant~~  
decontaminants  
detector paper  
detector ticket test  
detection team  
different between  
existing notch  
false negative  
false positive indication  
identification & training  
(SCAITS)  
liquid agent  
low volatility of V-agent  
NBC environment  
nerve agents  
outdated kit  
plastic cross support  
plastic envelope  
plastic guard  
protective clothing and gloves  
protective mask with hood  
report card  
sampling mission  
simulant chemical agent  
scorings  
small slash  
substrate dispenser  
substrate solution  
suspected surface  
uncontaminated area  
unknown agents  
vapor

MOS 54E SL II  
TASK 031-504-2017  
Ref: FM 21-40

Plot NBC 3 Chemical and Biological Report

GENERAL ENGLISH

area  
communications  
corners  
data  
facilities  
furnish (v)  
in place  
label (v)  
map  
mark (v)  
operations  
plot (v)  
report  
tape (v)

BASIC TRAIN

designate (v)  
field  
performance measure  
units

TECH

chemical and biological  
coordinate scale  
expected contamination  
grid reference points  
marginal information  
overly paper  
tactical operations center  
yellow grease pencil

0.

17~

4/4

MOS 54E SL I  
TASK 031-504-2018  
REF FM 21-40

Plot NBC 5 Report (Chemical)

GENERAL ENGLISH

BASIC TRAIN

TECH

accurately  
convert (v)  
cover (v)  
late (er. est)  
location  
mark (v)  
meter  
minimum  
plot (v)  
reflect  
report (v)  
yellow pencil

chemical/biological  
color coded  
contamination  
contour line  
coordinate scale  
date/time group  
DTG of attack  
grid reference points  
map  
marginal data  
NBC's (chemical) report  
reconnaissance  
overly

173

45  
MOS 54E  
TASKS 031-503-2003  
EF TM 3-6665-225-12, TC3-3

Place to automatic chemical ag  
alarm system into operation

GENERAL ENGLISH

alarm  
alert (v)  
basic  
check (v)  
detect (v)  
direct (v)  
install (v)  
insure (v)  
operation  
place (v)  
preserve (v)  
present  
present  
start up (twv)

BASIC TRAIN

components  
supervisor

TECH

agent  
~~XXXXXXXXXXXX~~  
automatic chemical agent alarm  
system  
BA3030 battery  
EA 3517/U battery  
installation kit  
mid power supply preoperational  
procedures prestatur procedure  
  
M43 detector kit  
M42 detector unit  
M229 refill kit  
mobile model  
mobile fixed model  
mounting kit  
reel of telephone cable  
TM 3-6665-225-12  
freee from defect

0.  
174

4/6

MOS 54E SL II  
TASK 031-503-4003  
REF NONE

Supervise tactical Dosmeting  
operational

GENERAL ENGLISH

BASIC TRAIN

TECH

accurate  
acorage (v)  
collect (v)  
compute (v)  
conduct  
daily  
insure (v)  
representative

mission

charging  
dosimeters  
operators trained  
tactical dosimetry operations

175



MOS 54E SL II  
TASK 031-504-2003  
Ref FM 3-22

Plot NBC 3 (Nuclear Report)

GENERAL ENGLISH

circle  
clockwise  
communication  
convenient  
digit  
direction  
facilities  
furnish (v)  
measure  
state (v)

BASIC TRAIN

designate (v)  
field

TECH

arc  
azimuth  
cloud radius  
compass  
coordinate scale  
corresponding to  
data  
date/time of detonation  
degrees  
down wind distances  
effective windspeed  
fallout-prediction  
FM3-22  
grid north  
grease pencil  
ground zero  
interest  
local or zulu time  
map or area of operation  
mils  
NBC 3 (nuclear) report  
normal prediction  
overlay paper  
plot  
radius  
radial lines  
right radial line  
stabilized cloud  
strike serial number  
tactical operations center  
technical data  
techniques  
tangent lines  
time of arrival arc  
time of arrival lines

0.

MOS 54E SK II  
TASK 031-504-2004  
REF: FM 3-22

48  
Proper Simplified fallout production

GENERAL ENGLISH

area  
communications  
construct (v)  
correctly  
darken  
determine (v)  
double (v)  
facilities  
include (v)  
intersect (v)  
label (v)  
mark (v)  
rotate (v)  
semicircle

BASIC TRAIN

field

TECH

align  
data  
effective downwind  
message  
FM3-22  
grease pencil  
grid north line  
ground zero  
hairline  
map of area of operation  
marginal data  
MJA2 fallout predictor  
NBC 2 (nuclear) report  
nomogram  
procedures  
simplified fallout  
prediction  
straight edge  
tactical operations center  
techniques  
technical data  
time of arrivals  
yield of weapon  
zone I - zone II

177

MOS 54E SL II  
TASK 031-504-2006  
REF: FM21-40

49  
Plot NBC 5 report (nuclear)

GENERAL ENGLISH

BASIC TRAIN

TECH

— accurately  
connect (v)  
location  
meters  
minimum  
omit (v)  
plot (v)  
reflect (v)  
report (v)

annodate (v)  
color coded  
color pencils  
contour lines  
coordinates  
date/time group of burst  
DTG of burst  
dose rates  
map with overlay paper  
marginal data  
multiple bursts  
NBC 5 (nuclear) report  
RAD/HR  
strike serial number

MOS 54E SKILL LEVEL II  
TASK 031-503-4004  
REF: FM 21-40

50  
Prepare and Submit NBC 4 report

GENERAL ENGLISH

decline (v)  
follow (v)  
information  
location  
paper  
pencil  
prepare  
rise (v)  
submit  
time  
transmit (v)

BASIC TRAIN

commander  
high headquarters  
mission

TECH

as directed  
critical  
deem (v)  
dose rate rearing  
dosage rates  
first indication  
format  
immediate  
location of rearing  
NBC 4 report  
nuclear attack  
precedence of the rep  
survey operations  
supervising monitoring  
tactical rated

MOS 54E SL II  
TASK 031-504-2005  
REF: NONE

Maintain Accountability  
of Personnel

GEN

BASIC MIL.

TECH.

activities  
accurate  
changes  
complete  
emergency  
indicate (v)  
inform (v)  
individual  
notify (v)  
occur  
paper  
pencil  
perform (v)  
present  
provide  
responsibility  
submit

team

AWOL  
captured  
daily status report  
ill  
initial reports  
injured  
killed  
missing in action  
names of soldiers  
on change of status  
personnel assigned  
physically present  
service numbers & grades  
scheduled absence  
sick call  
status  
status change reports  
supervising personnel  
undetermined status  
update  
wounded

180

MOS 54E SL I  
TASK 031-504-1017  
REF: TM 3-4230-209-12

Perform operations of organizational maintenance on M12A-PDDA

GEN

accessories  
accumulate  
bent  
bolts  
breaks  
clean (n)  
condition of  
corroded  
cuts  
damage (v) (n)  
dirty  
employ (v)  
exterior  
fasten down (twr)  
given  
harden (v)  
hardware  
inspect (v)  
leaks  
legible  
legibility  
loose  
lubricate (v)  
miss (v)  
missing  
nuts  
paint  
parts  
remove  
repaint (v)  
repair  
restore (v)  
rotate  
test (v)

BASIC MIL.

deficiencies  
operators maintenance  
opposing forces

TECH.

adjustable wrench 8 in.  
adjustable wrench 15 in.  
agitator connectors  
AN/M12A1 PDDA  
battery mounting  
bicarbonate of soda  
blender connectors  
bracket  
burs  
canvas cover  
cells  
circulate (v)  
clipboard  
control knobs  
connectors  
corroded valves  
coupling ends  
cover panels  
DA Form 2404  
discharge hoses  
double head open end wrench  
drive arms  
elbow  
electric motors  
electrolyte  
exhaust pipe extensions  
exposed moving parts  
fire hose  
firing the boiler  
flat tip screwdriver  
foam nozzles  
foot valve  
foreign objects  
frayed edges

181

GEN

threat  
tight  
tools  
wear (n)  
wires  
wornout

BASIC MIL.TECH.

fuel filter  
fuel hose  
fuel indicator switch  
fuel line  
fuel quantity transmitter  
fuel tank  
fuses  
gages  
gas tank  
gaskets  
generator light  
ground strap  
ground wire  
gun assemblies  
gun handle  
heat reflective tape  
heater - on  
higher level support  
hopper - blender  
identification plates  
inlet water hose  
loose pipe joints  
M-2 water heater  
M-2 water hose  
name plates  
obstacles  
out of round  
pad  
personnel shower assembly  
piping  
positive cable  
power cable  
prime detergent tank  
properly mounted  
pump & generator drive belts  
pump unit assembly

182

GENBASIC MIL.TECH.

purge - in  
register (v)  
retaining ring pliers  
sealing compound  
sediment  
separated weldments  
screen  
skid base  
slip joint pliers  
slurry nozzles  
slurry nozzle's orifice - and -  
deflector assembly  
spark arrester  
storage compartment  
stow (v)  
suction & blender hoses  
tank drain valve  
tank lid  
tank unit assembly  
tank walls  
tension  
thumbscrew  
threaded fittings  
TM 3-4230-209-12  
universal spanner wrench  
V-belt tensionmeter  
valve  
valve handles  
washers  
water hose  
water nozzle's sleeve



MOS 54E SL I  
TASK 031-504-1018  
REF: TM 38-750

Perform operator maintenance  
on 100 GPM Pump

GEN

after  
before  
bent  
broken  
cracked  
during  
engine  
loose  
missing  
parts

BASIC MIL.

TECH.

accessories & attainments  
accumulated list  
air cleaner  
before operations checks  
cooling shrouds  
components  
crankcase  
DA Form 2404  
DA Form 2408-1  
fuel filter  
fuel leaks  
GPM Pump (100)  
leakage  
lubrication order  
oil gage rod  
oil leaks  
operation checks  
operational fire extinguisher  
organizational maintenance  
outside source  
overfill  
proper grade of oil  
publications applicable  
pumping water  
red  
restriction indicator  
sediment  
serviceability  
shelter (n)  
spark plug  
unusual  
vibration  
visible

184

MOS 54E  
TASK 031-504-1020  
REF: TM 3-4230-209-12

Mix Load of Decontaminants

GEN

BASIC MIL.

TECH.

at least  
break up (twv)  
employ (v)  
in advance of  
load (v)  
load of  
mix (v)  
ounces  
prepare (v)  
properly  
pounds  
release (v)  
replace (v)

adjust throttle  
blend constantly  
blender  
blender - agitator  
blender pipe  
blending operation  
caked STB  
cans STB  
clogging  
decontaminants  
depress (v)  
fuel shutoff valve  
hopper  
low oil pressure button  
M2 antiset  
open valve  
persistent chemical agents  
protective clothing  
protective mask W/Hood  
PSI  
pump discharge gage  
pump suction connector  
remove hopper cover  
RPM  
required amount  
serviced M12A1 PDDA  
silicone antifoam  
smooth even flow  
suction hose  
tank drain valve  
tank unit  
upper discharge connector  
water - slurry mixture

185

MOS 54E SLI  
TASK 031-504-1021  
REF: TM 3-4230-209-12

Load the tank unit with  
water.

GEN

BASIC MIL.

TECH.

adjust  
clockwise  
container  
empty drum  
exceed  
follow instructions  
gallon  
height  
hydrant  
increase  
indicate (v)  
lake  
level  
minimize (v)  
observe (v)  
pond  
rotate  
start  
straighten out (twv)  
stream  
submerge (v)  
tank  
verify

blender hose  
bottomsilt  
bracket clamps  
cap (v)  
conduct decontamination operation  
control panel  
discharge connectors  
drawing mud  
empty water tank  
exhaust pipe extensions  
foot valve assembly  
fully primed  
hopper blender  
insert a hose  
lower discharge connector  
natural source of water  
prime-detergent tank  
protective cap  
pump cavity  
pump drain  
pump unit assembly  
serviced M12A1 PDDA  
skid of the tank unit  
starting procedure instruction  
plate  
suction connector  
suction hose  
suction hose quick-disconnect  
coupling half  
tachometer  
tank lid  
tank liquid level indicator  
tank truck  
throttle  
valves  
water source

186

MOS 54E SLI  
TASK 031-504-1022  
REF: TM 3-4230-209-12

17  
Spray from outside source  
bypassing tanks

GEN

BASIC MIL.

TECH.

approximately  
connect (v)  
indicate (v)  
only  
open (v)  
outside source  
spray (v)  
start (v)  
vary  
wash (v)  
without damage

ABC-M12A1  
bypass (v)  
cap (v)  
decontaminate (v)  
empty water tank  
foot valve  
gun assembly ball valves  
hose reels  
lower discharge connectors  
natural water source  
PSI  
pump discharge pressure gage -  
pump unit  
RPM  
slurry nozzle's orifice - an.  
deflector assembly  
spray pattern  
suction hose  
tachometer  
unre 1 (v)  
upper discharge connections  
valves

187

MOS 54E SL I  
TASK 031-504-102-3  
REF: TM 3-4230-209-12

Heat water in tank.

GEN


BASIC MIL.

TECH.

at least  
circulate  
clear  
coil  
connect (v)  
cover  
disconnect (v)  
equipment  
expose (v)  
fuel  
full  
gallons  
gasoline can  
in attendance  
leave (v)  
maintain (v)  
make certain  
minutes  
on top  
position  
produce (v)  
remove (v)  
reuse  
suitable  
temperature  
top  
water  
water heater

cycle (v)  
deactivate (v)  
mask  
personnel

ABC-M12A1 PDDA  
blender hose  
boiler  
cap  
connector panel of the  
pump unit  
decontaminated  
electrical power cable  
assembly  
exhaust  
fuel hose  
fuel return hose  
fuel supply hose  
hand tight  
heater-on purge-on  
heater outlet  
lower discharge pipe  
connector  
M2 water heater  
M2 water heater skid base  
nipple  
quick-disconnect coupling  
half  
service (v)  
stem & nut end  
stow (v)  
stuffing tube  
suction hose  
tank unit  
universal spanner wrench  
voltage regulator socket  
receptacle  
water hose  
water inlet end



MOS 54E SLI  
TASK 031-504-1024  
REF:

Heat water from outside  
source

GEN

BASIC MIL.

TECH.

container  
drum  
fuel  
full  
gallon  
gasoline can  
natural  
open (v)  
straighten out (twv)  
temperatutre  
water

mask  
personnel

ABC-M12A1 PDDA  
carbon-monoxide  
decontamination  
off position  
outside water source  
prime (v)  
service (v)  
to deactivate heater

MOS 54E SLI  
TASK 031-504-1025  
REF: TM 3-4230-1 9-12

Meter foam with water

GEN

BASIC MIL.

TECH.

approximately  
connect (v)  
engine  
fluffy  
full turns  
if necessary  
insured  
mixture  
produce (v)  
safekeeping  
spray (v)  
start (v)  
thick  
toward  
turn (v)

caps  
closed position  
connector panel  
discharge gun  
discharge hose  
discharge pipes  
fire-extinguishing foam  
liquid  
fire hose foam nozzle  
foam  
foam forming liquid suction  
hose  
foam water mixture  
M12A1 PDDA  
meter (v)  
open  
prime-detergent tank  
proper consistency  
pump unit tool box  
service (v)  
slurry nozzle  
suction hose  
tank drain valve  
tank of water  
upper or lower hose reel  
 $\frac{1}{4}$  turn increments

MOS 54E SLI  
TASK 031-505-1026  
REF: TM3-4230-209-12

Meter soap with water

GEN

BASIC MIL.

TECH.

disconnect (v)  
heat (v)  
hot  
open (v)  
provide (v)  
slightly  
soapy  
start (v)  
wash  
water

vehicle

ABC-M12A1  
cap (v)  
connector panel  
decontamination  
detergent solution  
discharge pipes  
liquid detergent  
M2 water heater  
meter (v)  
prime detergent tank  
pump unit assembly  
service (v)  
upper or lower hose reel  
valve



AD-R121 844

JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 54E  
CHEMICAL OPERATIONS SPE. (U) DEFENSE LANGUAGE INST  
LACKLAND AFB TX ENGLISH LANGUAGE CENTER. 16 APR 79

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UNCLASSIFIED

F/G 5/9

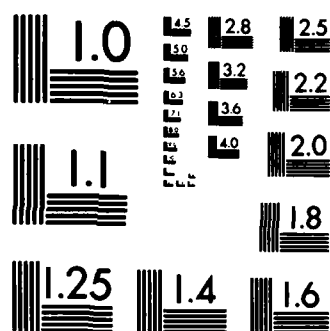
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END

FORMED

1-1

DTIC



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

MOS 54E SLI  
TASK

REF: TM5-2805-256-14; TM5-432-222-15

Operate 100 GPM pump

GEN

allow  
contact  
connect (v)  
damage  
install  
move (v)  
opening  
operate (v)  
wind (v)

BASIC MIL.

equipment

TECH.

adequate water source  
assemble adapter on other  
end of nipple  
assemble hose units  
assemble nipple in female  
end of hose  
bowl  
carburetor choke  
connecting rod & cam  
counter-clockwise  
engine warm-up  
fill plug  
full idle position  
GPM  
hose assembly  
ignition switch  
lever  
machine surface of adapter  
on  
pipe compound  
position gasket  
prime (v)  
pull briskly  
pump  
pump a liquid  
slots of adapter  
smooth idle  
starter flange  
starting rope  
strainer  
suction side of pump  
tighten nipple hose &  
adapter  
valve body studs  
washer & nut

192

MOS 54E SLI

TASK

REF: TM3-220; TM3-4230-209-12

Spray decontaminants on  
terrain/equipment

GEN

BASIC MIL.

TECH.

adjust (v)  
attach (v)  
controls  
cover with (twv)  
desire (v)  
dirt  
door handles  
evenly  
most likely to  
mud  
open (v)  
produce (v)  
rinse (v)  
seats  
spray  
start (v)  
steering wheels  
thoroughly  
tools  
touch  
use (v)  
work down (twv)

equipment  
field  
terrain

decontaminating agent  
decontaminating solution  
gun assemblies  
gun assembly ball valves  
in protective equipment  
M12A1 PDDA  
orifice -and - deflector  
assembly  
PSI  
pump discharge pressure  
gage  
pump unit  
slurry nozzles  
spray pattern  
spraying equipment  
valves

MOS 54E SLI  
TASK 031-504-1032  
REF: TM3-4230-209-12

Spray firefighting solution

GEN

BASIC MIL.

TECH.

at base of  
cover (v)  
encircle (v)  
fight (v)  
open  
pressure  
safe distance  
spray  
spray (v)  
stand (v)  
start (v)  
upwind  
watch (v)

blanket of foam  
class B fire  
decontamination equipment  
operator  
discharge gun  
extinguished/controlled  
firefighting solutions  
hose  
M12A1 PDDA  
meter foam with water  
spread the fire  
source of fuel  
valve

MOS 54E SLI  
TASK 031-504-1033  
REF: TM3-4230-209-12

Set-up Personnel  
Shower Assembly

GEN

degrees  
disconnect (v)  
errect  
ground  
in a line  
lay (v)  
leak (v)  
pipes  
raise (v)  
remove  
rotate(v)  
screw (v)

BASIC MIL.

inspect

TECH.

adapter  
align (v)  
basic issue items  
coupler pad  
discharge hose  
drilled holes  
forward adapter end  
gun assembly  
horizontal supports  
M12A1 Power driven  
decontaminating apparatus  
personnel shower assembly  
pipe nipple  
pipe plug  
pipe tee  
sediment strainer  
shower holes  
storage bracket  
tank unit assembly  
thread (v)  
top sections  
upper center support  
upper front support  
upper rear support  
vertical supports

195

MOS 54E SLI  
TASK 031-504-1034  
REF: TM 10-280

Process personnel through  
a clothing exchange & bath

GEN

allow (v)  
approximately  
area  
cans  
check (v)  
clean  
clothing type  
continuous flow  
coordination  
dirty  
establish (v)  
exchange (v)  
exit (v)  
● issue (v)  
launder (v)  
laundry  
maintain (v)  
maximum (v)  
minutes  
provide (v)  
record (n)  
scrap (adj)  
shirt  
shower  
soap  
towel  
trousers  
turn-in (twv)  
underwear  
undress (n)

BASIC MIL.

bins  
dog tags  
expeditiously  
field location  
individual  
issue (v)  
process through (twv)  
reissue  
Supply Sergeant

TECH

clothing exchange & bath (C)  
dressing area  
numbered disk  
station  
supported unit  
unit stocks  
valuable bag

MOS 54E SLI  
TASK 035-504-1035  
REF: NONE

Receive & dispose  
contaminated clothing

GEN

BASIC MIL.

TECH

bur (n)  
bury (v)  
containers  
dispose of  
gallon drum (55)  
garbage can  
heavy duty  
heavy tape  
individual (n)  
insure (v)  
lid  
place (v)  
plastic bag  
receive  
seal (v)  
securely  
shut  
spread (v)  
tape (v)  
transport (v)  
wear (v)

field location  
SOP

CB protective overgarment  
contaminated clothing  
designated collecting point  
fixed undressing procedure  
gloves  
mask & hood  
personnel decontamination  
station  
rubber apron



MOS 54E SLI  
TASK 031-504-1036  
REF: TM 10-280

Issue NBC protective  
clothing

GEN

BASIC MIL.

TECH

accurately  
appropriate clothing  
clean  
compare (v)  
count (n)  
count (v)  
figures  
garments  
gloves  
leave (v)  
maintain (v)  
number  
on hand  
paper  
pencil  
quantity  
record (v)  
shirt  
size  
socks  
trousers  
type

field location  
issue (v)  
Supply Sergeant  
unit

bath & clothing activity  
report  
change of protective  
clothing  
clothing exchange & bath  
station (CEB)  
DA FORM 3645  
exchange activity report  
personnel decontamination  
station (PDS)  
prescribed load  
protective clothing  
replenish  
stock

MOS 54E SLI  
TASK 031-504-1037  
REF: NONE

Replinish decontaminats &  
protective clothing

GEN

accurately  
appropriate  
compile (v)  
copy  
count (v)  
data  
description  
indicate (v)  
items  
list (v)  
need (v)  
on hand  
paper  
pencil  
process  
quantity  
receive (v)  
request  
request (n)  
retain (v)  
submit (v)  
subtract  
sufficient  
size  
type

BASIC MIL.

authorized (v)  
in the field  
mission  
unit supply

TECH

CTA  
CTA  
DA Form 2496  
in stock  
NSN (National Stock Number)  
prescribed load list  
prescribed load list  
replinish decontamination  
& protective clothing  
resupply  
unit clerk/typist

MOS 54E SLI  
TASK 031-504-1038  
EF: TM 10-280

Dispose of contaminated  
waste water

GEN

BASIC MIL.

TECH

be careful  
cover (v)  
dig (v)  
dirt  
discard (v)  
dispose of (twv)  
drainage ditch  
insure (v)  
into contact with  
location  
post (v)  
report (v)  
scope  
collect  
spread (v)  
surface  
test (v)  
treat (v)  
wear (v)

field location  
higher headquarters  
troops

appropriate excavation  
equipment  
chemical agent detector k  
contaminated waste water  
contamination  
decontamination station  
decontamination station  
disposal site  
downwind  
left to stand  
NBC contamination markers  
prescribe tolerance level  
protective equipment  
radial monitoring instrument  
self contaminate  
standard contamination  
marking signs  
STB  
water supply sources

200

MOS 54E SLI

Threat vehicles

TASK 071-11A-0806

COMMON TASK PREVIOUSLY DESCRIBED

ALSO

TASK 441-1682-1017

Intelligence

ALSO

TASK 071-11A-0802

Process enemy personnel

MOS 54E SLI  
TASK 071-11A-0803  
F: FM 21-75

Collect/Report information  
salute

GEN

BASIC MIL.

TECH

accurately  
carry  
civilian clothes  
completely  
convey (v)  
currently  
describe (v)  
descriptive  
detail  
do (v)  
engage in (twv)  
example  
farm tools  
O • te  
include  
include (v)  
information  
leave (v)  
letter  
location  
meters  
number  
observe (v)  
oral  
oral report  
quickly  
remember  
render (v)  
report (v)  
road  
ve of activity  
unspecified  
village  
walk (v)  
word

aggressor personnel  
bandoleer  
grid coordinates  
immediate supervisor  
observation site  
observer  
patches  
rifle  
tactical situation

activity  
captured document  
distinctive signs  
enemy material  
equipment  
ID numbers  
location  
maps  
over lays  
photos  
point of interest  
SALUTE  
size  
sketches  
symbols  
time  
unit

202

1 E SLI  
61-13E-0225  
FM 24-18

Perform low level anti-jamming procedures

BASIC MIL

TECH

micate  
et  
tion  
nect (v)  
ge  
g (er, est)

antenna  
distant station  
field wire  
grid location  
jam  
M2 compass  
net control station  
orient  
outside source  
radio set  
radio/telephone procedures  
secure means  
transmissions  
transmit  
unknown station

MOS 54E SLI  
TASK 071-329-1002  
EF: FM 24-18

COMMON TASK

TASK 071-11A-1001

COMMON TASK

TASK 071-11A-1006

0.

204

MOS 54E SLI  
TASK 031-504-1042  
REF:

Prepare vehicle & team  
equipment for survey

GEN

conduct (v)  
floor  
insure (v)  
load (v)  
outline (v)  
paper  
pencil  
personal  
pick up (twv)  
present  
protection  
rear  
sandbags  
sides  
sufficient  
time  
visible condition  
vehicle

BASIC MIL

armored vehicle  
communication  
control  
equipment  
in the field  
inspect (v)  
mission  
operational  
recording means  
status  
supervisor

TECH

batteries  
case  
control party  
DA FORM 1971-1-2  
DA FORM 1971-1-2  
ground radiological survey  
radiac charger  
radiac meter  
radio set  
radiological data sheets  
shielding  
sling  
survey  
suspected high radiati  
synchronize  
watch



MOS 54E  
TASK 031-504-1045  
EF: FM 21-40

Mark radiologically  
contaminated area

GEN

BASIC MIL

TECH

actual  
adopt  
boundry  
correctly  
enter (v)  
grass  
grease pencil  
knock down (twv)  
latter method  
lead (v)  
obscure (v)  
place  
poles  
post (v)  
problable  
readily  
rocks  
routes  
secure (v)  
signs  
trees  
undergrowth

personal

A reading  
burst  
date-time group  
date-time or reading  
detonation  
dose rate  
facing away from  
higher concentration  
rad per hour  
radiological contaminated  
marker  
radiologically contaminate  
area  
required information  
right-angled apex downward  
wire-boundry fences

MOS 54E SLI  
TASK 031-504-1046  
REF: TM 3-4230-204-12 & P  
TM 3-4240-279-10  
TM 3-6665-225-12  
TM 3-6665-253-12  
TM 3-6665-254-12  
TM 3-6665-268-10  
TM 10-227

Prepare vehicle & team  
equipment for chemical  
survey of biological  
sampling mission

GEN

boots  
clean  
corrosion  
cut  
gloves  
inspect (v)  
intact  
mount (v)  
packing  
present  
rust  
serviceable  
shirt  
socks  
spare  
torn  
trousers  
vehicle

BASIC MIL

field  
mission

TECH

applicator soil collection  
bag  
bent connector pins  
canteen cup  
carrier  
carrier  
chemical agent alarm  
chemical protective  
clothing  
communication, control and  
recording means  
conduct biological sampling  
conduct chemical survey  
deplete (v)  
detector or sampling kit  
detector paper  
defective connector pins  
eyelenses  
eyerings  
extraction fluid bottle  
face piece  
filter elements  
frayed insulation  
head harness  
hood  
IAW  
individual protective  
equipment  
inlet valves  
M1 waterproof bag  
M11 decontaminating  
apparatus

GENBASIC MILTECH

M34 sampling kit  
mounting hardware  
nitrogen-filled cylinder  
nosecup  
operator maintenance  
outserts  
personal protection  
preoperational check  
protective mask  
radiation hazard tag  
rubber gloves  
safety seal wire  
scoop  
shipping tag  
soil extraction bag  
soil sampling kit  
spray head  
spray nozzle  
tie  
usable condition  
vials container  
voicemitter outlet valve &  
cover

207A

MOS 54E SLI  
TASK 031-504-1050  
REF: FM 21-40; FM 21-41

Mark chemically & biologically contaminated area

GEN

BASIC MIL

TECH

above ground  
bottom  
coordinate (v)  
correctly place  
determine  
grease pencil  
ground  
indicate (v)  
mark (v)  
poles  
post (v)  
rocks  
trees

mission

agent  
anthrax  
bacillus anthracis  
biological contamination markers  
biologically and/or chemically contaminated area  
chemical contamination markers  
contamination markers  
date & time or detection  
HD  
inscribe (v)  
marker  
medical batallion  
obscuring grass  
protective clothing & mask  
right-angled apex downward  
undergrowth

MOS 54E SLI  
TASK 031-504-2003  
REF: TM 10-280

Supervise clothing exchange  
& bath operation

GEN

adequate  
ammount  
check (v)  
clothing  
equipment  
flow  
personal belongings  
personnel  
process  
process (v)  
reclaim (v)  
soap  
soil (v)  
supervise (v)  
• applies  
supplies  
towels  
work

BASIC MIL

designation  
expiditously  
field  
unit SOP's

TECH

bath clothing exchange  
activity report form  
bath point  
established clothing excha  
and bath operation  
IAW  
man hours

MOS 54E SLI  
TASK 013-504-2010  
REF: TM 3-4230-209-12

Supervise operation of M12A1 PDDA

GEN

BASIC MIL.

TECH

adjust (v)  
battery  
bolts  
breaks  
clean  
clog (v)  
cuts  
damage  
damage  
depress (v)  
erratically  
exist (v)  
exterior  
fasten (v)  
frayed  
free of  
halfway  
indication  
inspect (v)  
insure (v)  
leaks  
loose  
miss (v)  
miss (v)  
objects  
operation  
over heat (v)  
prepare (v)  
release (v)  
surge (v)  
tighten (v)  
tool box  
undamaged  
wires  
worn

supervise

clamps  
crank handles  
Decon NCO  
Decon team  
discharge hoses  
drive belt  
engine accelerator linkage  
foot valve  
foreign objects  
fuel shutoff valve  
fuel system  
gaskets and connector ends  
generator warning light  
gun assembly  
hopper - blende  
hose reels  
low oil pressure switch  
lower and upper reel  
M12A1 decontaminating apparatus  
manifold  
nozzles  
operational checks  
piping  
PSI  
prime detergent tank  
prime tank  
pump drain valve  
RPM  
START  
start - magneto switch  
suction and blende hoses  
tank unit assembly  
throttle  
valves  
visual inspection  
water supply

2/6

NOV 54 E SLI  
TASK 031-504-2011  
REF: FM 21-40; TM 3-220

Supervise processing of personnel  
through decontamination site.

EN

BASIC MIL.

TECH

bag  
breathing  
briefly  
container  
at (v)  
deal (v)  
deep breath  
drawers  
enter (v)  
fingernails  
flush (v)  
hair  
ip (v)  
0. intensity  
process  
protect (v)  
quickly  
remove (v)  
rove (v)  
ap (v)  
ame (v)  
re (v)  
b (v)  
this  
up  
22  
ol  
m  
m  
shirt  
body

boots  
expeditiously  
field location  
gear  
personal effects  
retrieve (v)  
weapons

contamination  
decontamination squad  
downward end  
footwear  
gloves  
inlet valve  
load carrying equipment  
mask with hood  
metal tag system  
overgarment  
personnel decontamination station  
protective clothing  
remonitor (v)  
undressing line

211

MSO 54 E SLI  
TASK 031-504-2012

REF: TM 5-2805-256-14  
TM 5-4320-222-15  
TM 38-750

Supervise operation of 100 GPM  
pump

GEN

charges  
complete  
inspect (v)  
operator  
pump  
visually

BASIC MIL.

supervision

TECH

accessories  
cam eccentric  
carburetor choke level  
components  
connecting rod  
counterclockwise  
DA Form 2404  
fuel shutoff valve  
full idle position  
GPM Pump (100)  
high suction lifts  
ignition switch  
prime (v)  
spot check  
strainer  
suction hose  
throttle control

212



MOS E  
TASK G31-504-2013  
REF: TM 3-220

Supervise procedures of equipment  
thru decontamination site

GEN

BASIC MIL.

TECH

attempt  
attempts  
cross (v)  
dirt  
disposal of  
dispose of (twv)  
dry (v)  
earth  
enter  
grass  
grease  
hot soap water  
insure (v)  
parts (s)  
remain (v)  
repeat (v)  
scrub  
wash

expiditiously  
supervise  
unit SOP's

assessment  
contamination  
DS2  
established equipment decon-  
tamination site  
holding area  
hotline  
in accordance with  
pit  
residual chemical or  
radiological contamination  
running gear  
shallow pit  
soap water for radiological  
contamination  
station (downwind)  
STB dry mix  
thickened agent  
upwind

4213

MOS 54E SLI  
TASK 031-504-2014  
REF: TM 10-280

Supervise disposal and handling  
of contaminated clothing

GEN

BASIC MIL.

TECH

available  
burn (v)  
bury (v)  
coordinate (v)  
containers  
dispose of (twv)  
Gal. cans (55)  
handle (v)  
layer  
lids  
method  
prescribe (v)  
seal (v)  
spread (v)  
tape (v)  
worn (v)  
wear (v)

division SOP's  
field location

backhalved  
contaminated clothing  
cords - level laundry facility  
disposal pits  
downwind vapor hazard  
gloves  
heavy duty plastic bags  
mask with hood  
NBC contamination markers  
NBC defense platoon headquarters  
NBC protector overgarments  
personnel decontamination station  
protective clothing  
STB  
undressing procedure

MOS 54E SLI  
TASK 031-504-2015  
REF: FM 21-40

Supervise marking of contaminated  
water sump area

GEN

close (v)  
completion  
correctly  
cover (v)  
encircle (v)  
front side  
grease pencils  
insure (v)  
place (v)  
post (v)  
require (v)  
return (v)  
visible

BASIC MIL.

operator's checks  
regular duties

TECH

appropriate protection  
ATOM - dose rate date, time, burst  
date  
bio agent date time  
contaminated sump area  
contamination markers  
decontamination operations  
detection equipment  
gas - agent date time  
sump  
troop detail

0.

215

MOS 54E Skill Level II  
TASK: 031-504-2016  
REF: NONE

87  
Maintain prescribed amount of  
supplies per opservaion

GENERAL ENGLISH

ability  
appropriate  
available  
blank  
coordinate  
establish (v)  
limit (v)  
list  
normally  
on order  
operate  
paper  
pencil  
prescribe (v)  
process  
relative to  
request  
require  
schedule (v)  
subtract  
suggest (v)  
supplies  
undergo

BASIC TRAIN

field

TECH

adequate data  
CTA  
DA Form 2496  
decontamination  
load list  
PDS and/or EDS  
personnel and/or  
equipment decontamina  
station

MOS 54E Skill Level II  
TASK 071-11A-1501  
REF: FM 23-91

Call for/adjust indirect (grid coordinate method  
of target location)

#### GENERAL ENGLISH

adjustments  
determine  
general experience  
good judgement  
guide  
include (v)  
inexperience  
inflexible  
land (v)  
locate (v)  
location  
map'  
meters  
radio  
result in (twv)  
sequence  
transmit (v)  
vary

#### BASIC TRAIN

binoculars  
call signs  
designate (v)  
lensatic compass  
range  
target  
terrain

#### TECH

achieve effect on target  
adjust fire  
adjust fire onto target  
appropriate  
area fire  
at my command  
bracket  
bracketing method  
of adjustment  
call for fire  
correction  
casualties  
danger close  
definite range spotting  
destruction  
description of target  
method of engagement  
DEVIATION CORRECTION  
dispensed  
DROP  
element  
elements  
end of mission  
FDC net  
fire definite range  
spotting  
fire for effect  
FO  
formulae  
grid coordinate location  
of target location  
grid coordinate location  
H  
of target location  
initial fire for effect  
initial range change  
initial request for fire  
infantry platoon dug  
in with overhead cover  
location of target  
magnetic azimuth  
method of fire/method  
of target location  
MIL relation formula  
observable target area  
observer  
observer identification  
over or short  
range spotting  
right or left  
sound impact  
sine (v)  
splitting in half  
successively decreased.

MOS 54E Skill Level II  
Task: 113-573-6001'  
Ref FM 24-18

Implement Electronic countermeasures (E

#### GENERAL ENGLISH

admit (v)  
assistance  
continued operation  
direct (v)  
disconnenct (v)  
elêctrical  
employ(v)  
friendly equipment  
generators  
insure (v)  
normally available  
overhead power lines  
peculâar to  
perform (v)  
recognize (v)  
study (v)  
weather conditions

#### BASIC TRAIN

field  
garrisonlocation  
radio set  
supervisor  
task  
task standard

#### TECH

antenna ploization  
band width selector  
confuse (v)  
continue to opeate  
crystal filter  
devices  
disruption  
ECM  
electronic conutermeas  
external source  
false navigational sig  
fine tuning  
friendly use of  
particular frequency  
portion of the spectru  
gain control  
hinder (v)  
imitative communication  
deception (ICD)  
imitative electronisce  
deception (ECD)  
implement  
implement ECCM pro  
insertion of radio sig  
interfernece  
interference of  
intrusion  
jamming  
meaconing  
man-made radiation of  
electrical energy  
natural sources  
non communications  
obliteration  
observe radio/net disc  
performance measure  
prevent (v)  
reception of radio  
signals  
receiving ~~xxx~~ antenna  
remain  
reorient  
resite  
station  
transmission speed  
transmitter power  
unwanted signals  
unintentional  
unidentied radiation  
volume control

218

MOS 54E SL II  
TASK 031-504-2019  
REF: FM 3-12

Supervise preparation of vehicle  
equipment and personnel for  
radiological survey

GEN

a minimum  
check (v)  
clipboard  
maps  
pencil  
radio  
sufficient  
vehicle  
watch

BASIC MIL.

brief (v)  
mission  
operational  
sandbags

TECH

aftermission decontamination  
DA Form 1971-1-R  
DA Form 1971-R  
decontamination  
dosimeters  
floor board  
ground radiological survey  
hardened for radiological operation  
individual protective equipment  
net  
operational exposure guidance  
place in operation  
radicmeter  
survey meters  
survey team  
turnback dose  
turnback dose rate

219

MOS 54E SL II  
TASK 013-504-2020  
REF: FM 3-12

Supervise radiological survey

GEN

approval  
safety

BASIC MIL.

security

TECH

actual contamination  
control party  
critical readings  
direct dose-rate reading  
dismount (v)  
monitor  
NBC format  
operation exposure guidance  
physically deliver  
point, route or pre-selected  
dose rate technique  
radiological survey  
render (v)  
requirement  
selected distance intervals  
specified route  
survey team  
tolerances of radiacmeter accuracy

22



MOS 54E SL II  
SK 031-504-2021  
FM 3-12

Supervise marking of radiological  
contaminaton

GEN

depart (v)  
insure  
remove (v)

BASIC MIL.

order (v)  
personnel

TECH

area of radiological contamination  
ATOM  
date & time group of burst  
date & time of reading  
dose rate  
face away from (twv)  
front surface  
inscribe with (twv)  
maximum visibility  
post marking signs  
principal routes  
rad/hr.  
radiological contamination markers  
relevant data  
reposition (v)  
requirement

221

MOS 54E SL II  
TASK 031-504-2022  
REF: TM 3-4230-204-12&P  
TM 3-4240-297-10  
TM 3-6665-225-12  
TM 3-6665-253-12  
TM 3-6665-254-12  
TM 3-6665-268-10  
TM 10-227

Supervise preparation of vehicle  
equipment personnel for chem.  
survey or biological sampling

GEN

accomplish  
as a minimim  
conduct (v)  
conduct (v)  
insure (v)  
radio  
vehicle

BASIC MIL.

brief (v)  
operational  
serviceable condition

TECH

after-mission decontamination point  
automatic chemical agent  
biological sampling mission  
chemical survey  
decontamination equipment  
designate (v)  
detector  
detector kits  
ground chemical survey  
ground biological sampling mis  
individual protective clothing  
individual protective equipment  
mission  
operational checks  
sampling kit  
survey team

222

MOS 54E SL II  
TASK 031-504-2023  
REF: FM 21-40

Supervise chemical survey

GEN

absence  
accurately  
check (v)  
determine (v)  
direct (v)  
high grass  
initiate (v)  
insure  
location  
presence  
render (v)  
require (v)  
type  
underbrush

BASIC MIL.

personnel  
SOP

TECH

automatic chemical agent alarm  
chemical agent detector kit  
chemical agent detector paper  
chemical contamination  
chemical survey  
continuous air sampling  
control party  
critical points  
debrief (v)  
defiles  
extent  
low-lying patches of woods  
NBC protection & detection equipment  
prearranged location  
protective equipment  
ravines  
recon personnel  
recon team  
routes  
shell craters  
specified points or areas  
streambeds  
systematic investigation  
toxic  
traverse (v)

223

MOS 54E SL II  
TASK 031-504-2024  
REF: NONE

Supervise biological sampling

GEN

BASIC MIL.

TECH

date  
deliver (v)  
flush (v)  
ground water  
insure (v)  
judge (v)  
kain  
liquids  
mark (v)  
nature of  
person  
samples  
samples  
soil  
time  
vegetation  
water

agency

authorized NBC protection  
biological sampling mission  
control party  
designate  
detection equipment  
dissemination of the agent  
fragments of munitions & submunition  
method of release  
protective equipment  
recon team  
sample container  
sample number  
specified points  
suspected material  
swabs of moisture

MOS 54E SL II  
TASK 031-504 - 2026  
REF: FM 21-40

Supervise marking of chemical &  
biological contaminations  
CHART INCL.

GEN

BASIC MIL.

TECH

bottom apex  
boundry fence  
check (v)  
complete  
date  
don (v)  
face  
face away from (twv)  
fasten (v)  
front side  
maximum  
pole  
position (v)  
post (v)  
● incipal  
rock  
routes  
signs  
stick (v)  
time  
tree  
visibility

a detail  
requirement

biological markers  
chemical markers  
chemical or biological contaminati  
contaminating agent  
contamination information  
detection  
inscribe (v)  
marker  
NBC protection equipment  
relevant data  
sufficient detail

225

MOS 54E SL II  
TASK 031-504-2026  
REF: TM 3-220

Select & report personnel  
decontamination site

GEN

accessibility  
adequate supply  
available  
best  
centrally located  
general area  
given  
identify (v)  
map  
natural  
operation  
pencil  
radio jet  
require  
select (v)  
select (v)  
site  
support (v)  
truck  
type

BASIC MIL.

brief (v)  
camouflage nets  
camouflage screens  
cover & concealment  
mission  
troops

TECH

contaminated water  
current situation  
downstream  
ground reconnaissance  
map reconnaissance  
minimize movement time  
movement routes  
personnel decontamination site  
potential sites  
prevailing wind direction  
reconnoitered  
situation of contaminated unit  
suitable site

225

MOS 54E SL II  
TASK C31-504-2027  
REF: TM 3-220

Select & report equipment  
decontamination site

GEN

accessibility  
adequate  
direction  
disperse (v)  
evaluate (v)  
given  
identify (v)  
location  
map  
presence  
report  
require (v)  
requirement  
select  
source  
space  
type  
water

BASIC MIL.

cover & concealment  
supported units  
Unit SOP's

TECH

area of operation  
decontamination site  
equipment decontamination site  
ground reconnaissance  
map reconnaissance  
movement routes  
potential sites  
prevailing wind  
reconnoiter (v)  
site drainage  
tactical situation

227

MOS 54E SL II

TASK 031-504-2028

REF: AR 220-58; FM 21-40

Organize unit NBC defense teams  
& insure proper training sample  
chart incl.

GEN

BASIC MIL.

TECH

appoint  
assign (v)  
available (v)  
avoid (v)  
base on  
composition  
designate (v)  
establish (v)  
individual  
inform  
insure  
maintain (v)  
normally  
operate (v)  
operate  
organize  
request  
requirement  
responsible  
specify (v)  
sufficient  
train (v)

areas  
equipment  
supplies  
Unit SOP

assigned equipment  
chemical agent alarm  
chemical agent detection team  
chemical detection  
control  
cross-training  
date last tested  
decontamination  
decontamination equipment  
detector kit  
dose-rate radiacmeter  
enlisted alternate  
monitoring & survey team  
NBC defense officer  
NBC defense team  
primary duties  
radiological monitoring & survey  
school trained  
school quota  
TDE or TDA  
unit chemical NCO

228



MOS 54 E SL II  
TASK 031-504-2031  
REF: NONE

Establish maintain NBC publication  
library

GEN

BASIC MIL.

TECH

arrive (v)  
authorize (v)  
binders  
changes  
changes  
destroy (v)  
determine  
establish (v)  
examine (v)  
index  
label (v)  
locate (v)  
on file  
on hand  
O • order  
pencil  
post  
provide (v)  
publications  
recommend (v)  
require (v)  
separate (v)  
successfully accomplish  
support (v)

Army training & evaluation program  
bookbinders  
book number  
content  
carbon paper  
DA Forms  
DA pamphlets  
field manuals  
index cards  
lubrication orders  
NBC NCO  
NBC publications  
obsolete  
overall mission  
periodically update  
reference  
sequentially  
superseded  
supply manuals  
supply bulletins  
TB  
TM  
technical bulletins  
technical manuals  
training circulars  
Unit TDA  
Unit TOE

MOS 54E SL II

TASK 031-503-3007

REF: FM 3-12; FM 21-40

Prepare supplies & equipment for  
NBC attack

GEN

air conditioners  
available  
bushes  
capability  
consumption (v)  
containers  
cover (v)  
debris  
deliver (v)  
dense foliage  
direct (v)  
disperse (v)  
dispose of (twv)  
excellent  
food packages  
ground level  
house in (twv)  
instruments  
leakage  
locate (v)  
opposite  
plastic sheets  
prepare (v)  
protect (v)  
protection  
reduce (v)  
refrigerators  
responsible  
seal (v)  
secure (v)  
serve (v)  
shelters  
suitable materials

BASIC MIL

ammunition  
area  
armored vehicles  
attack  
bunkers  
Commander  
components  
dig in (twv)  
electronic equipment  
equipment  
explosives  
field iceboxes  
field location  
flamables  
missiles  
operate (v)  
opposing forces  
shelters  
supplies  
tarpulins  
unit

TECH

antennas  
chemical or biological contamination or fallout  
contamination  
electromagnetic pulse  
EMP  
fire control  
headsets  
mouthpieces  
NBC weapon  
natural shielding  
nonporous  
nuclear blast effects  
overhead cover  
power cables  
prevailing wind direction

250

GEN

BASIC MIL

TECH

take advantage of (twv)

telephones

unpackaged

vans

woods

0.

MOS 54E  
TASK 031-503-3008  
REF: FM 21-40

Implement mission-oriented  
protective posture (MOPP)  
Tables Inol.

GEN

bend (v)  
carry (v)  
depend (v)  
determine (v)  
different  
example  
example  
frequent  
gloves  
improve (v)  
letter (v)  
level  
number (v)  
provide (v)  
reduce (v)  
several  
sequentionally  
stretch (v)  
temperature  
title (v)  
twist (v)  
various  
water supply  
wear (v)

BASIC MIL

Commander's guidance  
dismount (v)  
forced march  
infantry  
rest periods  
Unit SOP

TECH

administrative work  
chemical protective  
clothing & equipment  
compliance  
defense position  
fatigue  
mask with hood  
mechanical aids  
motorized movement  
MOPP  
overboots  
proper fit & seal  
reserve position  
rotate heavy work  
stress  
stressed positions  
work rate  
work rate level

MOS 54 E SL II  
TASK 031-503-3012

Supervise fitting of protective mask common task.

0.

MOS 54 E SL II  
TASK 031-503-40C1  
REF: TM 3-220

Supervise unit decontamination of  
equipment

GEN

age (v)  
allow (v)  
availability  
burn (v)  
bury (v)  
control (v)  
designate (v)  
destroy (v)  
detergent  
determine (v)  
earth  
fire  
locate (v)  
miscellaneous  
natural  
reach (v)  
rotate (v)  
select (v)  
soap  
suitable  
usable  
waste  
water  
water source

BASIC MIL

camouflage  
concealment  
explosives  
procedures  
rest break  
site  
unit equipment

TECH

absorbents  
acceptable level  
appropriate  
chemical detector kits  
contaminate (v)  
decontaminants  
decontaminate (v)  
decontaminating & reimpregnating kit  
DS2  
downwind  
identified NBC agent  
priorities  
radiacmeters  
skin decontaminating kit  
solvent  
STB

MOS 54E SL II  
TASK 031-503-4006  
REF: FM 21-40

Supervise radiological monitoring

BASIC MIL

TECH

alert  
continue (v)  
danger  
designate (v)  
insure (v)  
map  
paper  
pencil  
take (v)

area  
commander  
grid coordinates  
mission  
monitor (v)

fallout warning  
nuclear burst  
Rad/hr  
radiacmeter with operator  
readings

0.

231

MOS 54 SL II  
TASK 031-504-2052  
REF: FM 21-40

Prepare NBC annex to unit SOP

GEN

access  
accomplish (v)  
appendix  
conform (v)  
combine (v)  
continuous  
emergency  
enumerate (v)  
    xamples  
format  
guideline  
habitually use (twv)  
identification  
initial  
initiation  
logical manner  
organize (v)  
prediction  
prepare  
    recedures  
replace (v)  
report  
report  
subsequent  
summary  
unique  
write (v)

BASIC MIL

company SOP  
next higher headquarters  
orgnaization  
platoon leader  
roster  
sentries/guards  
subordinate units  
unit commander  
unit SOP

TECH

action before/during/after  
alarms & warning systems  
area damage control party  
CB agent detection & identification  
    systems  
CB defense annex  
CB hazard areas  
chemical & biological attacks  
contaminate environment  
crew served weapons & equipment  
DA Form  
filter elements  
intelligence  
light rescue, labor & decontaminati  
    squad  
local alarm  
mission oriented  
NBC annex  
NBC defense team  
NBC Publications library  
NR Defense annex  
protective posture  
radiological exposure data  
safe entry/exit to protective shelt  
tactical dosimeter  
task (v)  
unit NBC Defense Officer  
unit NBC NCO  
units TOE/or TDA



MOS 54E SL II

TASK 031-504-2034

FM 3-12; FM 21-40

Implement chemical/radiological  
monitoring operation

GEN

absence  
affix (v)  
continuously  
correctly  
determine (v)  
heat (v)  
inform (v)  
initiation  
minimum  
mount (v)  
move (v)  
periodically  
presence  
report (v)  
sight (v)  
threat  
turn on (twv)

BASIC MIL

field location  
nuclear warfare  
opposing force  
patrol activities  
reconnaissance  
Unit SOP

TECH

automatic chemical agent alarm  
chemical agent detector paper  
chemical & radiological monitoring  
equipment  
designated point  
detector kits  
fallout warning  
manpacked  
mobile operations  
NBC weapons  
periodic monitoring  
radiological/chemical contamination  
static position  
survey meter  
upwind

MOS 54 E SL II  
TASK 031-504-2035  
REF: FM 21-40

Implement chemical/radiological  
survey operations

GEN

assemble (v)  
authority  
collect (v)  
combination  
communications  
conduct (v)  
depart from (twv)  
employ (v)  
existing situation  
expose (v)  
insure (v)  
map  
mark (v)  
maximum  
method  
pass it on (twv)  
prescribe (v)  
presence  
properly apply  
receive (v)  
special instructions  
specified  
state (v)  
summarized (v)

BASIC MIL

brief (v)  
guidance  
higher headquarters  
mission  
opposing forces  
safety precautions  
Unit SOP

TECH

aerial surveys  
conduct a survey  
dose rate  
dose-rate control lines  
extent & type contamination  
ground zero  
induced radioactivity  
level of activity  
operational exposure guidance  
overlay (n)  
persistent chemical and/or radio-  
material  
recording limitation  
required data  
start time & completion time  
survey methods  
survey techniques

MOS 54E SL II  
TASK 031-504-2036  
REF: FM 7-20; FM 101-5

advise the Commander on NBC situati

GEN

advise (v)  
complete picture  
current  
employ (v)  
factual  
given  
information  
locations  
possible  
present (v)  
provide (v)  
to include  
weather

BASIC MIL

requirement  
status  
Unit

TECH

chemical munitions  
contaminate (v)  
downwind vapor hazard  
implementation of mission-oriented  
protective posture (MOPP)  
NBC defense measures  
NBC Intelligence  
NBC situation  
radiation status  
subordinate & attached unit  
supporting chemical units  
tactical operations

0•

239

MOS 54E SL II  
TASK 031-504-2033  
REF: TM-4230-208-10

Test chemical agent protection  
clothing

GEN

BASIC MIL

TECH

adequate  
cap  
careful  
chalk  
clean end  
clothing  
cold  
color  
contents  
crush  
disappear  
discard (v)  
disregard (v)  
elbow  
fade out (twv)  
fill (v)  
firmly  
forefinger  
immediately  
indicate (v)  
knee  
loose (v)  
need  
open (v)  
package  
palm  
piece  
Prepare  
press (v)  
red  
replace (v)  
remove (v)  
remove (v)

mission

adequacy of impregnation  
ampoule  
dropping bottles  
gloves and socks  
impregnated clothing  
impregnate-in-clothing  
jacket and trousers  
reimpregnation  
test solution  
testing kit  
vials

240

MOS 54E SL II  
SK 031-504-2037  
F: NONE

Prepare & maintain status chart and  
Unit chemical equipment  
Chart Incl.

GEN

BASIC MIL

TECH

accurately  
chart  
column  
construct  
depict (v)  
determine (v)  
due for  
given  
grease pencils  
item  
insure (v)  
maintain (v)  
necessary  
hand  
perform (v)  
poster board  
prepare (v)  
publications  
reflect (v)  
reflect (v)  
require (v)

authorize equipment  
model type  
nomenclature  
organizational maintenance] DD Form  
requirement  
scheduled maintenance

appropriate TM  
calibration dates  
certification  
remarks column  
special equipment requirements  
status chart  
TDA  
TOE  
Unit chemical equipment

GEN

BASIC MIL

TECH

rub  
sole  
spill  
spot  
squeeze (v)  
thumb  
tip  
unscrew (v)  
upright  
upside down  
vertically  
vigorously  
warm  
weather

APPENDIX 7

Appendix 7 is the machine-generated vocabulary list. It was not useful for our purposes. It is included as a vocabulary reference.

# HEADQUARTERS

DATA CLASSIFICATION NUMBER

JOB NO / PROJECT NO

## UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

WFA



DEC 2 1980

DLE

244

54E-1

OPERATIONS DIV. DPFO

COPY \_\_\_\_ OF \_\_\_\_ COPIES



Mos-  
Skill Level 1

DATE 80330 1725 PAGE 1

COUNT4 WORD4

MOS WORD LISTING/ASCENDING SEQUENCE

COUNT3 WORD3

COUNT2 WORD2

COUNT1 WORD1

12 ABOVE	2 ANSLICE	1 ACTUAL	1 ANCHUT
1 ACCEPTABLE	2 ACCESSORIES	1 ADDITIONAL	1 ACCORDANCE
3 ACCORDING	2 ACTION	1 AGENT	5 ACAPTER
3 ADD	1 ADDITION	1 ALARMS	7 AGENTS
2 ADMINISTRATIVE	6 AFTER	22 ALL	4 ALCOHOL
15 AIR	39 ALARM	4 ALSO	3 ALLOM
3 ALERT	2 ALERTS	1 AMPHULE	3 ALUMINUM
4 ALONG	7 ALPHA	1 ANCHUT	2 AMPHULES
1 AMOUNT	2 AMOUNTS	2 ANKLES	
23 AN	276 AND	1 ANTICIPATED	
2 ANNUNCIATOR	1 APART	3 APEX	
11 ANY	5 APPARATUS	1 APPEAR	
1 APPEARANCE	1 APPEARED	1 APPLICATOR	
10 APPROPRIATE	2 APPROXIMATELY	20 AREA	
1 AREAS	1 AREN'T	2 ARMS	
5 ARROUND	2 ARSENIC	2 ASPECTS	
4 ASSEMBLE	35 ASSEMBLY	1 ATOM	
9 AUG	16 AUTOMATIC	2 AVERAGE	
2 AVOID	5 AWAY	1 FACILLUS	
4 BACK	2 BACKGROUND	1 PAIL	
17 BANG	3 BARE	1 PASTS	
3 BAT	1 BATTALION	19 BATTERY	
40 BE	5 BEEN	3 BEFORE	
1 BEND	6 BEING	1 FELT	
1 BINS	5 BENT	6 BINDING	
4 BLACK	1 BLOW	2 BIOLOGICAL	
1 BULL	2 BULTS	3 BODY	
19 BUTLE	10 BOTTOM	1 PCTH	
8 BREAKS	2 BAKING	1 PRACKET	
6 BRUSH	1 BURST	2 PRON	
25 BY	6 CAN	3 DUTTON	
1 CALIBRATED	2 CAPPED	3 CANTEN	
27 CAP	1 CARE	13 CANTEN	
1 CARDS	8 CARRYING	2 CAPTIVE	
1 CASH	5 CAUTION	2 CARTIER	
10 CASHES	2 CHANGE	1 CATCH	
1 CHARGE	4 CHARGED	1 CELL	
1 CHARGING	1 CHART	18 CHAP	
2 CHECKS	43 CHEMICAL	3 CHARGERS	
1 CHIPS	2 CHLORIDE	2 CHECKED	
		2 CHEMICALLY	
		16 CLEAN	

245

MOS WORD LISTING/ASCENDING SEQUENCE

COUNT1 WORD1 COUNT2 WORD2 COUNT3 WORD3 COUNT4 WORD4

1 CLEANED	1 CLEANERS	3 CLEANING	1 CLEANINESS
1 CLEAR	3 CLIPBOARD	3 CLOCKWISE	3 CLOSE
3 CLOSED	2 CLOSELY	5 CLOTH	6 CLOTHING
2 CLOUTLESS	1 COATS	1 COLLECTION	23 COLOR
3 COMMUNICATION	1 COLORS	1 COMMAND	1 COMMERCIAL
4 COMPLETE	2 COMPARE	6 COMPARTMENT	1 COMPARTMENTS
2 COMPOUND	2 COMPLETENESS	1 COMPLETING	5 COMPONENTS
1 COMPOSITION	1 COMPRESSED	3 CONCENTRATION	
4 CONNECT	6 CONDITION	22 CONDITIONS	2 CONDUCT
1 CONNECTED	1 CONNECTING	1 CONNECTIONS	9 CONNECTOR
2 CONTAINS	1 CONSISTING	3 CONTACT	3 CONTAINER
4 CONTINUE	12 CONTAMINATED	17 CONTAMINATION	5 CONTENTS
8 CONTROLS	2 CONTINUOUS	1 CONTROLS	6 CONTROL
1 CORRECTED	1 COORDINATING	1 CORPORATION	3 CORRECT
1 CORROSIVE	3 CORRECTLY	1 CORRESPOND	15 CORROSION
8 COVER	1 COUNTER	2 COMPUTERCLOCKWISE	1 COURSE
5 CRACKS	1 COVERED		4 CRACKED
2 CYANIDE	2 CRATERS	1 CRUD	
1 CYCLE	11 CUP	1 CUT	5 CUTS
1 D-RING	1 DAMPEN	3 CYLINDER	
5 DATA	5 DATE	17 CA	10 DAMAGE
1 DECONTAMINATION	5 DECONTAMINATE	4 DATE	2 CAPK
2 DEFECTS	1 DEEP	1 DEEPER	
4 DENATURED	7 DEFENSE	12 DEFICIENCIES	4 DECONTAMINATING
3 DEPTH	1 DENTS	1 DEPICTION	2 DEFECTIVE
1 DETECTION	6 DESCRIBED	1 DETECT	2 DEMAND
3 DETURGENT	4 DETECTOR	1 DETECTORS	2 DEPRESS
2 DETONATION	3 DETERIORATION	4 DETRIMENT	1 DETECTED
1 DIP	2 DEVELOPS	2 DION'T	2 DEFECTS
3 DIRTY	4 DIRECT	3 DIRECTED	1 DETERMINED
1 DISPOSAL	9 DISCARD	10 DISCONNECT	1 DIFFERENCE
4 DISTILLED	1 DISPOSE	3 DISSOLVE	7 DIRT
2 DUST	1 DISTINCT	9 DO	1 DISCONNECTED
26 DUSMETER	1 DISSAGE	1 DTSAGES	3 DISSOLVED
1 DRAIN	1 DRIED	12 DOWN	1 DOES
7 DRY	1 DRYING	9 DROP	8 DENSE
5 DUST		5 EACH	1 DUNWARD
1 ENFRALINE	5 ECHILON	2 EDGES	2 DRIPS
1 ELASTIC	1 FLUWS	2 ELECTRICAL	2 DRIPING
1 ELEMENTS	1 EMLACE	4 EMPLOYING	3 FETTER
13 END	1 ENDS	1 ENGAGED	1 ELECTRONIC
1 ENSURE	1 ENTERED	1 ENTERING	2 EMPTY
1 EQUIPPED	3 ENVIRONMENT	1 ENVIRONMENTAL	3 ENTIRE
2 EXPOSED	3 EVIDENCE	1 EXAMINE	24 EQUIPMENT
2 EXTERNAL	1 EXTENDED	1 EXTINT	3 EXAMPLE
1 FABRIC	2 EXTRACTION	3 EYE	6 EXPIRATOR
	1 FACI	1 FACILLCC	1 FACIPLATE

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COUNT1 WORD1

COUNT2 WORD2

COUNT3 WORD3

COUNT4 WORD4

1 FACING

1 FAULTY

6 FIELD

8 FILL

1 FIND

1 FINISHED

2 FIVE

1 FLIP

1 FLUID

8 FOLLOWS

1 FOREARMS

1 FORWARD

11 FREE

2 FULL

2 GAS

19 GIVEN

2 GO

1 GRASSY

2 GRENADE

1 MATR

2 HANDS

6 HAS

3 HEADSET

1 HEAVY

9 HIGHER

4 HELD

5 HORN

4 HOW

1 IAW

1 INACTIVATED

3 INDICATE

4 INDIVIDUAL

1 INSIDE

2 INSTALLED

1 INSUFFICIENT

1 INTACT

26 INTO

6 ITEMS

2 JAW

2 JUST

29 KIT

1 FASTER

2 FENCES

39 FIGURE

4 FILTER

1 FINGER

1 FIT

2 FLASH

2 FLOW

3 FOLLOW

104 FOR

20 FORM

1 FRAYED

51 FROM

2 FUNGUS

1 GASKET

1 GLASS

2 GOOD

1 GRAY

4 GRIT

1 GROUP

2 HAIRLINE

4 HANDCRANK

1 HANGING

7 HAVE

3 HEAD

1 HEAR

2 HELD

1 HIGHLY

3 HOLES

1 HORN-ON

57 IF

1 IMMEDIATELY

5 INCH

7 INDICATED

1 INDIVIDUALS

3 INPUT

24 INSPECT

2 INSTRUCTION

6 INSULATION

2 INTERIOR

26 IS

4 ITS

1 JOIN

2 KITS

1 KILL

1 KILLS

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COUNT4 WORD4

COUNT2 WORD2

COUNT1 WORD1

1 KNINS

1 LAMP

2 LATCH

3 LAYER

4 LEAKAGE

5 LIFT

6 LIGHTLY

7 LIPS

8 LOAD

9 LOCKED

10 LOOSE

2 LOUSPEAKER

33 MAINTENANCE

1 MAPS

7 MARKER

1 MATERIEL

1 MEASURE

1 MEDICAL

13 METER

9 MINUTES

1 MOBILE

1 MOVIE

2 MONITORING

3 MOST

1 MOUTH

6 MUST

2 NEAR

6 NEGATIVE

1 NOSE

1 NOTIFY

1 NUMBERED

4 OBJECTS

2 OBSERVED

8 OFF

1 OPERATIVE

7 OPTICAL

1 OUTDATED

1 OUTSIDE

1 PAINTED

2 PAPER

1 KNICKED

1 LAND

1 LATCHES

1 LAYERS

2 LEAKS

1 LEG

2 LET

1 LIFTING

2 LIKE

8 LIQUID

1 LOBE

1 LOCKING

1 LOUSEN

2 LOWER

6 MAKE

2 MAR

4 MARKERS

1 MAXIMUM

2 MEASURED

1 MEDIUM

1 METHOD

8 MISSING

2 MOISTURE

1 MONTHLY

3 MOTION

2 MOVED

1 MUSTARD

2 NAME

8 NECESSARY

4 NEW

7 NO

1 NOSECUP

3 NOV

1 NUT

1 OBSERVED

3 OBTAIN

1 OLD

3 ONLY

3 OPERATE

3 OPERATIONS

2 KNIGHTED

1 LATER

1 LAYING

1 LEAVE

1 LENSES

4 LEVEL

6 LIGHT

1 LINT

1 LISTED

1 LOCATED

2 LONG

3 LOOSENESS

1 MADE

5 MAKING

7 MARK

3 MASK

4 MAY

20 MEASURES

5 METAL

1 METHODS

5 MISSION

2 MODEL

9 MONITOR

4 MORE

2 MODIFIED

3 MULTIPLIER

1 MUSTARDS

1 NAME

1 NECK

2 NITROGEN

1 NOISE

25 NOT

6 NUCLEAR

2 NUTS

1 OUSCURING

7 OCT

64 ON

4 OPEN

1 OPERATING

1 OPERATIVE

1 LACQUER

1 LAST

1 LATTER

2 LEADING

1 LEFT

4 LESS

2 LEVER

2 LIGHTER

1 LISTS

1 LOCATION

2 LOCK

1 LOST

2 MAINTAIN

5 MANUAL

8 MARKED

1 MATERIAL

2 MEANS

2 MECHANICAL

1 METALLIC

1 MILLIRADS

1 MODELS

5 MONITORED

3 MOUNTING

1 MULTIPLY

1 NECKLINE

1 NOMINAL

12 NOT

2 NUMBER

3 OBJECT

1 RESERVE

143 OF

16 ON

2 OPERABILITY

14 OPERATOR

1 CRANGE

6 OUT

1 DISSENTS

1 PAINT

4 PAINT

8 PAPA

COUNT 1 WORD1  
COUNT 2 WORD2  
COUNT 3 WORD3  
COUNT 4 WORD4

17 PARAGRAPH  
2 PARTY  
2 PER  
1 PERFORMING  
5 PERSONNEL  
3 PIN  
18 PLACE  
2 POCKET  
2 POLFS  
3 POSITIVE  
4 POSTS

1 PREFILLED  
11 PRESENT  
2 PRI  
2 PROCEED  
2 PROPER  
12 PROTECTIVE  
1 PULLING  
2 PUTTING

4 RADIACMETERS  
3 RADIATIVE  
3 RAINSHIELD  
1 REACHES  
2 READINGS  
3 REAGENTS  
1 RECHARGING  
4 RED  
8 REFERENCE  
2 REGISTER  
15 REMOVE  
1 REPAIRED  
3 REPLACED  
2 REPORTED  
5 REQUIRING  
2 RESET  
2 RIGHT  
7 RISE  
2 ROCKS  
3 RUMBLE  
1 RUSTY  
9 SAILING  
1 SAPPAPER  
5 SCUP  
1 SCREWDRIVER  
1 SEAL  
7 SELECT  
5 SELECTOR  
1 SEQUENCE

1 PARAGRAPH  
3 PEDALSTAL  
22 PERFORM  
1 PERSISTENT  
2 PINS  
2 PLACE  
5 POINT  
1 PORT  
4 POSSIBLE  
1 POUR  
2 PREOPERATIONAL  
6 PRESS  
2 PROBABLE  
1 PROCESSING  
3 PROPERLY  
1 PROTECTOR  
1 PUMP  
2 QU

1 RADAR  
5 RADIATION  
7 RADIOLOGICAL  
1 RANGE  
1 REACHES  
3 READS  
1 REAR  
1 RECOMMENDED  
1 REDUCE  
11 REFERENCES  
1 REGULAR  
2 REMOVED  
1 REPAIRMAN'S  
1 REPLACEMENT  
5 REQUIRE  
1 REQUISITION  
1 RESULTING  
1 RINSING  
1 ROOM  
1 RUMBLING  
3 SAFETY  
6 SAPI  
1 SCHEPUL  
2 SCREWED  
1 SEALING  
1 SECURED  
1 SENSITIVITY  
1 SERIES

1 PARALLEL  
2 PILLITS  
21 PERFORMANCE  
1 PERSON  
1 PHYSICAL  
1 PIPE  
9 PLASTIC  
5 POINTER  
8 PORTABLE  
2 POST  
1 POWDER  
5 PREPARE  
6 PROBE  
2 PROMISED  
2 PROTECT  
3 PROVIDED  
1 PUNCTURES  
2 QUART  
15 RADIAC

2 RADIOLOGICALLY  
2 RAPIDLY  
5 READ  
2 READY  
1 REASSEMBLE  
6 RECORD  
1 REEL  
6 REFILL  
1 REINSTALL  
1 REMOVING  
3 REPEAT  
1 REPLACING  
15 REQUIRED  
2 RESERVES  
1 RETICLE  
2 RINSINGS  
3 ROTATE  
1 RUNS  
2 SANDHAGS  
17 SCALE  
2 SCRATCHES  
5 SCREWS  
1 SEWING  
4 SET  
2 SERVICE

6 PARTS  
4 PENCIL  
2 PERFORMED  
2 PERSONAL  
2 PICK  
6 PILLS  
1 PCINTS  
14 POSITION  
2 POSTED  
15 POWER  
8 PRESENCE  
1 PREVENT  
3 PROCEDURES  
1 PROMPTLY  
2 PROTECTION  
3 PULL  
5 PUT  
2 PA

27 RADIACMETER  
4 RADIS  
4 RADS  
6 RATE  
11 READING  
34 REAGENT  
1 RECHARGE  
2 RECORDING  
1 REFER  
1 REFILLING  
5 REFUSE  
8 REPAIR  
15 REPLACE  
4 REPORT  
1 REQUIREMENT  
10 RESERVUIR  
1 RETURN  
1 RINGS  
1 ROAD  
2 ROUTES  
6 RUST  
5 SAMPLE  
1 SANDING  
1 SCHEDULED  
4 SCREW  
3 SEAL  
2 SECONDS  
12 SET  
2 SEPARATE  
1 SERVICEABILITY

289

COUNT14 WORDS

COUNT13 WORDS

COUNT2 WORDS

COUNT1 WORDS

2 SERVICEABLE	1 SERVICED	25 SIT	1 SFTSCREWS
1 SEVERAL	8 SHAKE	4 SHARP	1 SHIRT
1 SHEETS	1 SHIELDING	1 SHIPPING	1 SHIRT
16 SHIELD	1 SHIELDING	1 SHOWN	6 SHUT
2 SHUTDOWN	3 SIDE	2 SIDES	1 SIDERARD
3 SIG	8 SIGN	1 SIGNALLED	11 SIGNS
1 SIMILAR	2 SITUATION	1 SIZE	2 SLING
1 SLIP	2 SLOW	<del>2 SLOW</del>	2 SPALL
2 SMOKE	2 SMOOTH	3 SNAP	4 ST
4 SOCKET	1 SICKS	1 SOFT	<del>1 SOLDER</del>
4 SOIL	3 SOLDIER'S	1 SOLDIERS	1 SOLE
14 SOLUTION	1 SOY	4 SOP	1 SOUND
1 SOUNDS	17 SOURCE	2 SOURCES	2 SPARE
1 SPATTER	3 SPECIAL	<del>1 SPRAYING</del>	2 SPETS
1 SPRAY	1 SPRAYED	1 SPRAYING	1 SPREAD
2 SPRING	2 SQT	2 STAIN	3 STAND
19 STANDARDS	1 STANDBY	1 START	1 STARTING
1 STATUS	2 STEADY	1 STEP	4 STOPPING
2 STIFF	2 STILL	1 STOP	1 STOPPER
3 STORAGE	1 STONE	1 STORED	3 STRAIGHT
3 STRAIN	2 STRAP	1 STREAM	1 STRIP
7 SUCH	1 SUFFICIENT	3 SUPERVISOR	2 SUPPLIES
8 SUPPLY	12 SUPPORT	8 SUKE	7 SURFACE
6 SURFACES	6 SURVEY	1 SUPERVISED	2 SUSPECTED
1 SWEETING	1 SWELLING	3 SWIRL	20 SWITCH
1 SYNCHRONIZE	4 SYSTEM	2 TAB	1 TABLE
7 TABLET	14 TABLETS	2 TAG	5 TAKE
1 TAKEN	5 TAPE	6 TASK	5 TB
7 TC	3 TEAM	3 TEARS	1 TELEPHONE
1 TERMINALS	3 TERRAIN	48 TEST	6 TESTING
2 TESTS	11 THIN	48 THAT	486 THF
2 THEIR	2 THEM	4 THEN	1 THESE
3 THEY	1 THIN	3 THIS	3 THOROUGHLY
7 THOSE	6 THREAT	3 THREE	6 THROUGH
7 THRU	3 THRUAD	2 TICKETS	1 TIF
3 TIGHT	3 TIGHTEN	1 TIGHTENED	1 TIGHTENING
6 TIME	3 TIMES	1 TIP	<del>1 TIP</del>
<del>1 THICKET</del>	43 TM	120 TO	1 TON
3 TUT	3 TOP	1 TORP	1 TORSO
1 TWARD	1 TOUCH	<del>2 TRACES</del>	1 TOUCHING
1 TRUCKS	20 TUNE	2 TUNES	1 TRICHLOROMETHANE
6 TUNING	2 TURNING	1 TURNLOCK	24 TURN
<del>1 TURNING</del>	1 TYPE	1 UNABLE	6 TWO
1 UNDERGROWTH	2 UNDERGROWTH	31 UNIT	2 UNBROKEN
1 UNSCREWED	1 UNSHAP	5 UNITL	4 UNSCREW
8 UP	3 UPPER	2 USABLE	2 LAUSUAL
10 USED	8 USING	<del>1 VALVE</del>	13 USE
1 VALVE	1 VALVES	12 VEHICLE	1 VALVE
9 VIA	5 VIALS	1 VIEWING	1 VISIBLY

25

2 VOLTAGE  
1 WARPING  
2 WASTING  
31 WATER  
3 WELD  
7 WHEN  
4 WHITE  
1 WIPE  
47 WITH  
2 WOULD  
8 YOU  
4 ZERO

1 WARPING  
1 WASHERS  
3 WATCH  
1 WAY  
3 WEARING  
1 WETTED  
2 WHILE  
3 WINDOW  
2 WIPES  
2 WORK  
15 YELLOW  
6 YOUR

2 VIDEOS  
3 WASH  
1 WASTING  
2 WAVING  
1 WEAR  
3 WELOS  
11 WHICH  
15 WILL  
3 WITHOUT  
1 WRENCH

1 WAS  
2 WASTE  
3 WATERPROOF  
4 WEAPONS  
1 WELOED  
1 WHEKE  
1 WIDE  
2 WIRE  
4 WITHIN  
3 WRAPPED

152

446 THE	276 AND	143 OF	19 GIVEN	11 PRESENT	9 GLASS	9 CONNECTOR	9 USING
120 TO	107 IN	104 FOR	18 CHAP	11 THIN	9 MONITOR	9 GLASS	7 DIRT
78 OR	64 ON	60 CHECK	17 CONTAMINATION	11 SIGNS	9 PLASTIC	9 COVER	7 INDICATES
51 FROM	48 TEST	48 THAT	16 AT	10 BOTTOM	9 PAG	8 FILL	7 FCT
45 AS	44 DETECTOR	43 ARE	16 ONE	10 HANDLE	8 CORRECTED	8 CROIND	7 PARANOLOGICAL
43 TH	40 HE	39 ALARM	15 PAPER	9 CHARGER	8 FACE	8 PARKED	
	35 ASSEMBLY	34 PEAGENT	15 REQUIRED	9 DRIP	9 VIAL	8 OFF	
	31 WATER	27 CAP	14 INSURE	9 MINUTES	9 ORGANIZATIONAL	8 NECESSARY	
	28 CASE	26 INTO	14 TABLETS	9 URGENT	8 VIAL	8 NECESSARY	
	27 RADIOMETER	24 EQUIPMENT	13 USF	9 VIAL	8 CORRECTED	8 NECESSARY	
	25 NOT	23 COLOR	12 DRAIN	8 FACE	8 FACE	8 NECESSARY	
	24 TURN	21 PERFORMANCE	12 SUPPORT	8 FACE	8 FACE	8 NECESSARY	
	22 CONDITIONS	20 SWITCH	11 CUP	8 FACE	8 FACE	8 NECESSARY	
	20 TURN	19 BOTTLE	11 PAPER	8 FACE	8 FACE	8 NECESSARY	
	19 BATTERY	18 CABLE	11 SIGNS	8 FACE	8 FACE	8 NECESSARY	
	18 STANDARDS	17 BAND	10 APPROPRIATE	8 FACE	8 FACE	8 NECESSARY	
	18 PLACE	17 SOURCE	10 DISCONNECT	8 FACE	8 FACE	8 NECESSARY	
	17 SCALE	16 FIG	9 AUG	8 FACE	8 FACE	8 NECESSARY	
	16 CLEAN	15 CORROSION	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	15 AIR	15 REPLACE	9 HIGHER	8 FACE	8 FACE	8 NECESSARY	
	15 REMOVE	14 SOLUTION	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	15 YELLOW	13 METER	9 HIGHER	8 FACE	8 FACE	8 NECESSARY	
	14 POSITION	12 DEFICIENCIES	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	13 END	12 SEE	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	12 CONTAMINATED	11 BATTERIES	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	12 PROTECTIVE	11 FREE	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	11 ANY	11 REFERENCES	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	11 FOUR	10 APPROPRIATE	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	11 READING	10 DISCONNECT	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	11 WHICH	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	10 DAMAGE	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	10 USED	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	9 DISCARD	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	9 HIGHER	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	9 SAMPLING	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	8 BREAKS	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	8 DAMAGED	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	8 FM	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	8 KNOW	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	8 MISSING	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	8 OPERATOR	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	8 PAGES	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	8 REFERENCE	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	8 SUPPLY	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	8 VINI	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	7 BELLOW	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	7 DRY	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	7 MARK	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	
	7 UPF	9 AUG	9 DISCARD	8 FACE	8 FACE	8 NECESSARY	

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COUNT1 WORD1

COUNT2 WORD2

COUNT3 WORD3

COUNT4 WORD4

7 RINSE  
7 TAILCT

6 AVAILABLE  
6 CAN

6 CONTROL  
6 FRONT

6 ITEMS  
6 OUT

6 PROBE  
6 RUST

6 SURFACES  
6 THREAT

6 TWO  
6 AROUND

5 BIOLOGICAL  
5 CLOTH

5 CUTS  
5 EACH

5 INCH  
5 MISSION

5 POINT  
5 PREPARE

5 RELEASE  
5 SCUDP

5 TAPE  
5 ALCOHOL

5 BACK  
5 CANNOT

5 CONTINUE  
5 DEPARTURE

5 FORCES  
5 HANDCRANK

5 INDIVIDUAL  
5 LEAVAGE

7 SECURE  
7 TC

7 WHEN  
6 HING

6 CLOTHING  
6 DESCRIBED

6 GREEN  
6 INLET

6 LIGHT  
6 PARTS

6 RATE  
6 SAND

6 SURVEY  
6 THROUGH

6 YOUR  
6 AWAY

5 CAREFULLY  
5 COMPONENTS

5 DATA  
5 ECHOLON

5 INSTRUMENT  
5 MONITORED

5 POINTER  
5 PUT

5 REQUIRE  
5 SCREWS

5 TR  
5 ALONG

5 CHANGED  
5 CRACKED

5 DETERMINE  
5 EMPLOYING

5 FULLY  
5 HOLD

7 SIXTH  
7 THUSE

6 AFTER  
6 BINDING

6 COMPARTMENT  
6 EXTERIOR

6 INSTALL  
6 MAKE

6 NEGATIVE  
6 PLUG

6 RECORD  
6 TASK

6 TIME  
6 ADAPTER

5 BEEN  
5 CAUTION

5 CONTENTS  
5 DECONTAMINATE

5 PRAYING  
5 MAKING

5 OTHER  
5 POSTED

5 RADIATION  
5 REQUIRING

5 SELECTOR  
5 UNFIL

5 ALSO  
5 BLACK

5 COMPLETE  
5 DATE

5 DIRECT  
5 GRASS

5 HOURS  
5 ITS

7 SURFACE  
7 THUPH

6 PRUSH  
6 CONDITION

6 FIELD  
6 HAS

6 INSULATION  
6 MUST

6 NUCLEAR  
6 PRESS

6 PFFEL  
6 SHUT

6 TESTING  
6 TURNED

5 APPARATUS  
5 BENT

5 CHARGE  
5 CRACKS

5 DUST  
5 MORPH

5 PETAL  
5 PERSONNEL

5 LEAD  
5 SAMPLE

5 TAKE  
5 VENTS

5 ASSEMBLE  
5 PLUM

5 CONNECT  
5 DECONTAMINATING

5 DISTILLED  
5 FILTER

5 GRIT  
5 POW

6 KINGS  
6 MARKERS

6 OBJECTS  
6 PENCIL

6 RED  
6 SH

6 STICKING  
6 TEARINGS

3 ALLUM

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[illegible]

COUNTY WORDS

MOS WORD LISTING/DESCENDING FREQUENCY  
COUNTS WORDS

COUNT2 WORD2

COUNT1 WORD1

2 EXTERNAL	2 EXTRACTION	2 FEET	2 FENCES
2 FIVE	2 FINE	2 FINGERS	2 FIB
2 FIVE	2 FLASH	2 FLIM	2 FIBIT
2 FULL	2 FLUNG	2 FURTHER	2 CAS
2 GASKETS	2 GU	2 GUN	2 GPASE
2 GRENADE	2 HAILLINE	2 HANDS	
2 HEAT	2 HELD	2 HOUR	
	2 IGNITING		
	2 INSERT	2 INSTALLED	2 INCLUDING
2 INSTRUCTIONS	2 KITS	2 INTERIOR	2 INSTRUCTION
2 JUST	2 LEADING	2 KNIRLED	2 JAN
2 LATCH	2 LIGHTER	2 LEAKS	2 LET
2 LEVER	2 LIQUID	2 LIKE	2 LONG
2 LOOK	2 LIQUID SPEAKER	2 LOWER	2 MAINTAIN
2 MAR	2 MEANS	2 MEASURED	2 MECHANICAL
	2 MONITORING	2 MODEL	2 MOISTURE
	2 MOUNTED	2 MOVED	
2 NUMBER	2 NUTS	2 NEAR	2 NITROGEN
2 OPERABILITY	2 PALMS	2 OBSERVED	
2 PARTY	2 PELLETS	2 PAP	2 PAPERS
2 PERSONAL	2 PICK	2 PER	2 PERFORMED
2 PLACE	2 PUCKET	2 PINS	
2 PREOPERATIONAL	2 PRI	2 POLES	2 PEST
2 PRODUCED	2 PROPER	2 PROBABLE	2 PROCEED
2 PUTTING	2 QUAR	2 PROTECT	2 PROTECTION
	2 RADIOLOGICALLY	2 QUART	2 PAJ
2 READY	2 RECORDING	2 RAPIDLY	2 READINGS
2 REPORTED	2 RESEMBLES	2 REGISTER	2 REMOVED
2 RESININGS	2 ROCKS	2 RESET	2 RIGHT
	2 SCRATCHES	2 ROUTES	2 SANDWAGS
2 SEPARATE	2 SERVICE	2 SCREWED	2 SECONDS
2 SIDES	2 SITUATION	2 SERVICEABLE	2 SHUTDOWN
2 SMALL	2 SMOKE	2 SMOOTH	2 SLOW
2 SPARE	2 SPOTS	2 SPLITTING	2 SOURCES
2 STAIN	2 STRADY	2 SPRING	2 SOT
2 STRAP	2 SUPPLIES	2 STIFF	2 STILL
2 TAG	2 TESTS	2 SUSPECTED	2 TAD
2 TICKETS	2 TRAINING	2 THEIR	2 THEM
2 TURNING	2 UNBROKEN	2 TREES	2 TUBES
2 USABLE		2 UNDERGROWTH	2 UNUSUAL
2 WASHING	2 WASTE	2 WILDS	2 VOLTAGE
2 WIRE		2 WAVING	2 WIRE
2 WOULD		2 WIVES	2 WORN
	1 ACCEPTABLE		1 AMOUNT
	1 ADDITION		1 ACCORDANCE
	1 AMOUNT	1 ADDITIONAL	1 ADJUST
	1 ANTICIPATED	1 AMOUNT F	1 APARTURE

25

1 APPARENT	1 APPEAR	1 APPEARANCE	1 APPEARED
1 APPLICATOR	1 AREAS	1 ARMY	1 ARMED
1 ATOM	1 BASIC	1 BASIS	1 ATRIUM
1 BAIL	1 BAIL	1 BEEP	1 BATTALION
1 BELT	1 BEND	1 BENDS	1 BATTALION
1 BLOW	1 BOLT	1 BOUTS	1 BATH
1 BOUNDARY	1 BRACKET	1 BURST	1 CALIBRATED
1 CAPS	1 CARDS	1 CARE	1 CARRY
1 CATCH	1 CHART	1 CCELL	1 Cellophane
1 CHANGES	1 CLEANERS	1 CLALLIES	1 CHIPS
1 CLEANED	1 COATS	1 COLLECTION	1 CLEAR
1 COMMAND	1 COMMERCIAL	1 COMPARTMENTS	1 COMB
1 COMPRESSED	1 CONSIDERED	1 CONDENSATION	1 COMPLETING
1 CONNECTIONS	1 COORDINATING	1 CONSISTING	1 CONNECTING
1 CONTROLS	1 COUNTER	1 CORPORATION	1 CONTOURS
1 CORROSTIVE	1 CRUD	1 COARSE	1 CORRESPONDS
1 CYCLE	1 DARKER	1 D-RING	1 COVERED
1 DANGEROUS	1 DEEP	1 DEEPER	1 CUP
1 DECONTAMINATION	1 DETECT	1 DETECTED	1 CAMPEN
1 DEPLETION	1 DETERMINED	1 DIFFERENCE	1 DECONTAMINATED
1 DETECTORS	1 DISPOSAL	1 DISPOSE	1 DEPTS
1 DISCONNECTED	1 DOSAGE	1 DOSAGES	1 DETECTION
1 DULS	1 DRAIN	1 DRIED	1 DIP
1 DOWNWARD	1 DRAIN	1 DRIED	1 DISTINGUISH
1 ELECTRONIC	1 DRAIN	1 DRIED	1 DISTINGUISH
1 ENGAGED	1 ELEMENTS	1 ELASTIC	1 DISTINGUISH
1 ENTIRE	1 ENSURE	1 EMPLOYEE	1 DISTINGUISH
1 EXTENDED	1 ENVIRONMENTAL	1 ENTERED	1 DISTINGUISH
1 FACEPLATE	1 FACING	1 EQUIPPED	1 DISTINGUISH
1 FASTENERS	1 FAULTY	1 FAULTY	1 DISTINGUISH
1 FIND	1 FINGER	1 FAULTY	1 DISTINGUISH
1 FITTING	1 FIXED	1 FAULTY	1 DISTINGUISH
1 FLOR	1 FLOUNDER	1 FORWARD	1 DISTINGUISH
1 FOREHEAD	1 FURAS	1 FORWARD	1 DISTINGUISH
1 FREQUENT	1 GENTLY	1 GAMMA	1 DISTINGUISH
1 GASKET	1 GRAY	1 GRASS	1 DISTINGUISH
1 GRASSY	1 GUIDANCE	1 GRASS	1 DISTINGUISH
1 GROUP	1 HAZARD	1 GRASS	1 DISTINGUISH
1 HAND	1 HEAR	1 GRASS	1 DISTINGUISH
1 HAVING	1 HIGH	1 GRASS	1 DISTINGUISH
1 HEAR	1 HIGH	1 GRASS	1 DISTINGUISH
1 HIGH	1 HIGH	1 GRASS	1 DISTINGUISH
1 HOOKS	1 HOOKS	1 GRASS	1 DISTINGUISH
1 INACTIVATED	1 INACTIVATED	1 GRASS	1 DISTINGUISH
1 INDIVIDUALS	1 INDIVIDUALS	1 GRASS	1 DISTINGUISH
1 INSUFFICIENT	1 INSUFFICIENT	1 GRASS	1 DISTINGUISH

COUNT1 WORD1

COUNT2 WORD2

COUNT3 WORD3

COUNT4 WORD4

1 ITEM	1 JOINT	1 KNUCK	1 JUN
1 KEE	1 KNUIS	1 KNICKED	1 LAST
1 LACQUER	1 LAND	1 LATER	1 LAYERS
1 LATCHES	1 LEAVE	1 LEFT	1 LIFTING
1 LAYING	1 LFNST	1 LIPS	1 LISTED
1 LEG	1 LINT	1 LOBE	1 LOCATED
1 LIGHTLY	1 LOAD	1 LOCKING	1 LOOSFN
1 LISTS	1 LUCKED	1 MAPS	1 MATERIAL
1 LOCATION	1 MADE	1 MEASURE	1 MEDICAL
1 LOST	1 MAXIMUM	1 METHOD	1 METHODS
1 MATERIEL	1 METALLIC	1 MODELS	1 MOBILE
1 MEDIUM	1 MOBILE	1 MOUTH	1 MULTIPLY
1 MILLIRADS	1 MUSTARD	1 NECK	1 NECKLINE
1 MONTHLY	1 NAME	1 NOISE	1 NORMAL
1 MUSTARD	1 NOISCU	1 NOTIFY	1 NUMBERED
1 NOSE	1 NOISCU	1 OBSCURING	1 OLD
1 NUT	1 OPERATING	1 OPERATIVE	1 ORANGE
1 OPERABLE	1 OUTDATED	1 OUTSPTS	1 OUTSIDE
1 ORDERED	1 OVERHEAD	1 PAINTED	1 PAMPHLET
1 OVERHEAD	1 PARALLEL	1 PERFORMING	1 PERSISTENT
1 PARAGRAPHS	1 PORT	1 PHYSICAL	1 PIPE
1 PERSON	1 PREFILLED	1 PRIOR	1 POWDER
1 POINTS	1 PROMPTLY	1 PROFFCTOR	1 PREVENT
1 PROCESSING	1 PUNCTURES	1 RADAR	1 PULLING
1 PUMP	1 REACHES	1 REACT	1 PEAR
1 RANGE	1 RECHARGE	1 RECHARGING	1 RECOMMENDED
1 REASSEMBLE	1 REEL	1 REFER	1 REFILLING
1 REDUCE	1 REINSTALL	1 REMOVING	1 REPAIRED
1 REGULAR	1 REPLACEMENT	1 REPLACING	1 REQUISITION
1 REPLACEMENT	1 RETICLE	1 RETURN	1 ROAD
1 RESULTING	1 RINGS	1 RINSING	1 RUSTING
1 RICH	1 RUNNING	1 RUNS	1 SCOPED
1 SCREWDRIVER	1 SANDING	1 SCHEDULED	1 SECURED
1 SENSITIVITY	1 SEALED	1 SEALING	1 SERVICED
1 SETSCREWS	1 SEQUENCE	1 SERIES	1 SHIFTS
1 SHIP	1 SEVERAL	1 SHEET	1 SHOOTING
1 SHIP	1 SHIPPING	1 SHIRT	1 SIMILAR
1 SHIP	1 SIDEWARD	1 SIGNALLED	1 SOCKS
1 SIZE	1 SLIP	1 SOLDIERS	1 SOLE
1 SUE	1 SOUND	1 SOUP	1 SPATTER
1 SUE	1 SPRAY	1 SPRAYED	1 SPAYING
1 SUE	1 STAIRWAY	1 START	1 STARTING
1 SUE	1 STEP	1 STOP	1 STOPPER
1 SUE	1 STORE	1 STREAM	1 STRIP
1 SUE	1 SURVEYED	1 SWEEPING	1 SWELLING

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1 SYNCRONIZE	1 TABLE	1 TAKEN	1 TELEPHONE
1 TERMINALS	1 THESE	1 THIN	1 TIC
1 TIGHTENED	1 TIGHTENING	1 TIP	<del>1 TIE</del>
<del>1 TIGHTENED</del>	1 TUNIL	1 THILKIT	1 TIRN
1 TIRSI	1 TINCH	<del>1 THILKIT</del>	1 TOUCHING
1 TOWARD	1 TRICHLOROETHANE	1 TROUSERS	1 TURNLOCK
<del>1 TOWARD</del>	1 TYPE	1 UNABLE	1 UNSCREWED
1 UNSHAP	1 VALUE	1 VALVE	1 VALVES
1 VERIFY	1 VIEWING	1 VISITLY	<del>1 VALVE</del>
<del>1 VERIFY</del>	1 WARNING	1 WARPING	1 WAS
1 WASHERS	1 WASTING	1 WAY	1 WHERE
1 WEAR	1 WEDED	1 WETTED	<del>1 WHERE</del>
1 WIDE	1 WIPE	1 WFNCH	<del>1 WETTED</del>

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# HEADQUARTERS

DATA CONTROL NUMBER

JOB NO. / PROJECT NO.

## UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

WFA

DEC 2 1980

DUE



54E-2

PREPARED BY: OPERATIONS DIV. DPFO

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1 FITTINGS	1 FIGHT	2 FLASH	1 FIAT
1 FLIGHT	1 FLOUR	1 FLURRIARD	1 FLOW
1 FLOUNDER	1 FLUSHED	38 FM	1 FMS
1 FLOWN	18 FOLLOWING	5 FOLLOWS	107 FOR
1 FORCE	1 FORCE'S	1 FORCES	
1 FORECAST	2 FOREHEAD	10 FORM	3 FORMAT
3 FORMS	1 FORMULA	2 FORWARD	2 FORMID
6 FOUR	3 FORTUIT	1 FRAGMENTARY	1 FRAGMENTS
3 FREE	2 FREQUENT	4 FRIENDLY	78 FROM
1 FRONT	1 FUEL	2 FULLY	1 FUNCTIONING
1 FURNISHED	2 FURNISHING	2 FURTHER	
4 GENERAL	1 GENERATOR	10 GIVE	32 GIVEN
1 GIVING	1 GLASS	1 GLOVE	3 GLOVES
	1 GO	1 GOALS	1 GOOD
4 GRADIENT	1 GRADUATED	1 GRASS	5 GRASE
3 GREATER	3 GREEN	1 GRENADE	11 GRID
1 GRIT	25 GROUND	3 GRIP	8 GUIDANCE
3 GUINE			
1 HABITUALLY	1 HAD	3 HAIRLINE	11 HAND
1 HANDBOOK	1 HANDLE	1 HANDLING	1 HANDS
1 HARDENED	2 HARNESS	13 HAS	19 HAVE
1 HAVING	20 HAZARD	1 HAZARDOUS	1 HAZARDS
3 HEAD	6 HEADQUARTERS	1 HEALTH	1 HEARD
1 HEARING	2 HIGH	6 HIGHER	4 HIS
5 HILD	1 HORN		4 HOUR
8 HOURS	1 HOW		
4 IDENTIFY		2 IDENTIFICATION	5 IDENTIFIED
		27 IF	1 IGNITING
		1 ILLNESS	
		1 IMPLEMENTATION	2 IMMEDIATELY
		118 IN	1 IMPARTANT
		2 INCLUDES	1 INCH
		1 INDICATES	3 INDEX
		1 INDICATOR	2 INDICATING
		1 INDICATED	18 INDIVIDUAL
		2 INDIVIDUALS	1 INCASTRY
		11 INFORMATION	3 INITIAL
		2 INITIATION	2 INLET
		1 INPUT	7 INSIDE
		2 INSPECTION	1 INSTALLATION
		1 INSTANCES	4 INSTRUCTIONS
		1 INSULATION	
		3 INTELLIGENCE	1 INTERFERE
		1 INTERSECT	4 INTERSECTS
		14 INTO	1 INVESTIGATION
		54 IS	16 IV
		7 ITEMS	
		4 JACKET	1 JIPPING
		1 JUDGE	16 JUNE
		1 KEEP	1 KIDNAPERS

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19 KIT	3 KITS	3 KM	9 KMPH
1 KNEE	1 KNEE	1 KNIFE	1 KNITS
1 KNOWLEDGE	1 KNOWLEDGE	1 KNOWN	10 KT
1 LABEL	1 LABELS	1 LABOR	1 LABORATORY
1 LAMP	1 LAMP	1 LAPSE	1 LARGE
2 LAST	5 LAST	1 LATEST	4 LAY
5 LEAD	1 LEADER	1 LEADING	1 LEAF
1 LEAKS	1 LEAKS	1 LEARNING	4 LEAST
3 LEFT	3 LEFT	5 LESS	2 LENGTH
1 LEAVE	1 LEAVES	2 LETHAL	2 LETTER
1 LENGTHS	1 LEVELS	1 LIGHTS	1 LIE
6 LEVEL	1 LEVEL	1 LIGHTS	1 LIKE
3 LIFT	1 LIFT	30 LINES	1 LIQUID
1 LIMITATIONS	57 LINE	2 LISTED	1 LOADED
1 LIQUIDS	1 LIST	5 LOCATED	24 LOCATION
1 LUCK	5 LOCAL	1 LOGICAL	2 LONG
4 LOCATIONS	1 LOCKED	3 LOOSE	1 LPCSNESS
1 LUGGER	1 LOOK	2 LUBRICATION	1 LOWER
2 LUGSPEAKER	1 LOW	1 MAINTAINED	9 MAINTENANCE
1 LUBRICANT	1 LUBRICATING	1 MANNING	1 MAPPACKED
4 MAKE	5 MAINTAIN	1 MANNING	18 MAP
2 MANUAL	1 MANNER	1 MANNING	10 MARK
2 MAPS	7 MANUALS	9 MARGINAL	7 PARKING
11 PARKED	2 MAR	6 MARKERS	1 PASS
1 MARKS	1 MARKER	2 MASKS	23 PAY
1 MATCH	8 MASK	6 MAXIMUM	1 PEAS
17 MEASURE	2 MATERIAL	37 MEASURES	1 MECHANICAL
1 MEDIUM	1 MEANING	1 MEETS	1 MECHANICAL
2 METERS	2 MEASURED	3 METEOROLOGICAL	5 MEER
6 METERS	1 MEET	1 METHODS	1 MIDDLE
1 MIGHT	6 MESSAGE	1 MILDEN	1 MILITARY
1 MILS	1 MINUTE	7 MINIMUM	3 MINUTES
1 MISCELLANEOUS	1 MISSILE	3 MISSING	14 MISSION
3 MODEL	1 MISSTORY	2 MODILE	1 MODULATLY
1 MODULE	1 MODELS	4 MODERATE	13 MONITORING
3 MONTH	2 MISTURE	4 MORTAR	1 MORTAR
2 MOST	1 MUPP	1 MOUNTING	1 MOVE
3 MOVEMENT	1 MOUNTED	1 MT	1 MUCH
1 MULTICABLE ON	2 MULTIPLE	1 MULTIPLY	2 MULTIPLYING
1 MULTITUDE	7 MUNITIONS	10 MUST	1 NAY
1 NAY	2 NATURAL	1 NATURAL	2 NAY
1 NAY	7 NAY	2 NAY	3 NAY
1 NAY	3 NECESSARY	2 NAY	6 NAY
1 NAY	1 NAY	1 NAY	1 NEUTRAL
1 NAY	1 NEVER	1 NAY	2 NAY

1 RIGHT	6 NO	2 NOMENCLATURE	1 ACHIEVEM
3 NINE	1 NONSECURE	2 NORMAL	3 NORMALLY
6 NORTH	20 NOT	16 NOTE	1 NOTED
2 NOTIFY	4 NOV	2 NR	35 NUCLEAR
10 NUMBER	2 NUMERICAL	1 NUT	6 OBTAINED
1 UNSERVATION	1 UNSOLETE	13 OUTAIN	3 OFF
1 OCCUPIED	13 OCT	273 OF	<del>1 OFFICER</del>
1 OFFICER	3 OFFICER	1 OFFICERS	<del>1 OFFICER</del>
1 OMITTED	131 ON	1 ONCE	17 ONE
<del>1 OPERATIVE</del>	5 ONLY	1 OPERABILITY	3 OPERATE
1 OPERATIVE	11 OPERATION	13 OPERATIONAL	17 OPERATIONS
2 OPPOSING	5 OPERATOR	1 OPERATOR'S	2 OPERATORS
3 ORDERED	1 OPPOSITE	96 OR	2 ORDER
7 ORGANIZATION	2 ORDERING	2 ORDERS	1 ORDINARY
1 ORIENT	3 ORGANIZATIONAL	2 ORGANIZE	1 ORGANIZED
6 OUT	1 ORIENTED	4 OTHER	1 OTHERWISE
1 OVERALL	1 OUTER	2 OUTLINED	4 OVER
3 PAD	18 OVERLAY	1 OVERLAYS	<del>1 OVER</del>
3 PAM	7 PAGE	12 PAGES	1 PALM
2 PAP	3 PAMPHLET	1 PAMPHLETS	1 PANEL
3 PARALLEL	2 PAPA	16 PAPER	15 PARA
12 PARTY	1 PART	1 PARTIAL	2 PARTS
1 PATH	1 PASS	2 PAST	1 PATCHES
10 PENCIL	1 PATROL	1 PAY	<del>1 PAY</del>
54 PERFORMANCE	4 PENCILS	<del>1 PERFORMANCES</del>	13 PERFORM
1 PERFORMING	<del>1 PERFORMANCES</del>	1 PERFORMED	2 PERFORMED
3 PERMIT	3 PERIOD	1 PERIODIC	2 PERIODICALLY
1 PERSON	1 PERMITS	3 PERPENDICULAR	1 PERSTISTENT
1 PIECE	27 PERSONNEL	1 PHYSICALLY	1 PICTURE
16 PLACE	1 PINCHBARS	1 PINS	2 PLA
1 PLANNED	2 PLACED	2 PLACING	5 PLAN
<del>1 PLANNING</del>	5 PLATIS	5 PLATE	<del>1 PLANNING</del>
15 PLOT	4 PLUTED	2 PLATING	9 PLATING
1 POLICY	19 PLOT	1 PLUTTERS	3 PLUS
2 POSITIVE	3 PORTABLE	1 POSITION	24 POINTS
1 POSTED	1 POSITIVE	5 PUSSIBLE	2 POST
6 POTENTIAL	1 POSTER	2 POSTS	2 POSTURE
1 PRECAUTIONS	8 POWER	<del>1 PREDICTION</del>	2 PREARRANGED
17 PREDICTOR	1 PREDICT	22 PREDICTION	2 PREDICTIONS
14 PREPARE	1 PREPARED	2 PREOPERATIONAL	4 PREPARATION
4 PRESELECTED	1 PREPARED	1 PRESCRIPTED	2 PRESCRIBING
1 PRESENTING	7 PRESENCE	7 PRESENT	1 PRESENTED
2 PREVAILING	1 PRESSES	1 PRESSING	1 PRESTARTUP
2 PRIMARY	2 PREVENTIVE	1 PREVIOUS	<del>1 PRESTARTUP</del>
1 PROGRAM	1 PRINCIPAL	1 PRIMITIVES	1 PROGRAM
1 PROGRAMS	4 PRODUCE	10 PRODUCTIONS	1 PROGRAM
6 PROTECTION	1 PROGRESS	5 PRODUCE	5 PROPERLY
2 PROVIDES	15 PROTECTIVE	4 PROVIDE	3 PROVIDED
	2 PROVIDING	1 PRY	15 PUBLICATIONS

1 PUBLISHED	1 PULL	1 PUMP	1 PUPPIS
2 PURPOSES	1 QUOTA	2 QUA	1 QUALITY
1 QUART	6 RADIAC	10 RAD	<del>17 RADIAL</del>
5 RADIAC	6 RADIOMETER	1 RADIOMETERS	34 RADIOLOGICAL
25 RADIATION	6 RADIO	1 RADIOACTIVITY	1 RAIN
<del>2 RAINSHIELD</del>	1 RADIOS	15 RADIOS	1 RAIN
2 RATES	1 RANGE	1 RAPIDLY	14 RATE
1 RATHER	1 RATHER	1 RAVINES	2 PEACHED
1 READ	1 READILY	13 READINGS	6 PEACHES
3 RECEIVED	5 RECEIVED	1 RECEIVES	1 RECEIVING
1 RECLASSIFICATION	1 RECOMMENDED	4 RECUY	9 RECOGNIZANCE
2 RECONVICTED	10 RECORD	1 RECORDED	1 RECORDED
2 RECORDS	1 RECOVERY	7 REF	1 RECOVERING
1 REEL	24 REFERENCE	11 REFERENCES	1 RECOVERING
4 REFLECT	3 REFLECTS	1 REFUGED	3 REFEEL
1 REIMPRGNATING	2 REIMPRGNATION	8 RELEASE	1 REGISTEP
4 REMARKS	10 REMOVE	1 REMOVING	2 REL-EVANT
7 REPLACE	1 REPLACED	1 REPLACEMENT	4 REPERED
11 REPORTED	2 REPORTING	13 REPORTS	50 REPORT
1 REPRESENT	4 REPRESENTING	5 REPRESENTS	1 POSITION
1 REQUESTED	1 REQUIRE	17 REQUIRED	3 PEQUEST
6 REQUIREMENTS	2 REQUIRES	1 RESCUE	12 REQUIREMENT
2 RESOURCES	1 RESPECTIVELY	2 RESPONSIBILITIES	2 RESEAVOIR
2 REST	1 RESULT	2 RESULTING	1 RESPONSIBLE
3 RETURN	1 RETURNS	<del>20 RISK</del>	6 RESULTS
4 RIGHT	2 RUST	1 ROT	2 REVISED
1 RIPE	5 ROUTE	4 ROUTES	1 ROCKET
1 ROUND	<del>1 RUST</del>	1 SAFE	3 ROTATE
2 RUST	1 SAME	1 SAMPLE	1 RUI
4 SAFETY	10 SAMPLING	1 SAND	1 SAFESTIDEN
7 SAMPLES	4 SCALF	1 SCENARIOS	2 SAMPLED
3 SCHOOL	1 SCHOOLS	1 SCREENS	1 SANDWAGS
1 SEAL	1 SECURED	1 SECOND	1 SCOUTMILE
3 SECURE	10 SELECT	1 SECURELY	1 SCREW
6 SEE	6 SEMICIRCLE	6 SELECTED	1 SECURITY
1 SEMI	4 SEPARATE	1 SENSITIVITY	1 SELECTOR
1 SEP	2 SERIOUS	1 SERVICIALLY	<del>1 SERVICIALLY</del>
1 SERIES	5 SET	1 SERVED	4 SERIAL
1 SERVICES	4 SHIRT	1 SETSCREENS	2 SERVICEABLE
1 SHIFTERS	4 SIDERED	1 SHIELD	1 SHILL
4 SHIRT	6 SIMPLIFIED	1 SIGHTED	2 SHOT
5 SICK	18 SITE	1 SIMPLY	1 SIGN
1 SILENCE	1 SIZES	6 SITS	1 SINCE
1 SILENCE	1 SLUGS	2 SITS	16 SITUATION
1 SILENCE	1 SLUGS	1 SLEET	1 SLUGS
1 SILENCE	1 SMOOTH	1 SLEET	1 SMALL
1 SILENCE	1 SICK	1 SLEET	9 SO
1 SILENCE	1 SICK	1 SLEET	1 SOIL
1 SILENCE	1 SICK	1 SLEET	3 SOLUTION

COUNT1 WORD1

COUNT2 WORD2

COUNT3 WORD3

COUNT4 WORD4

1 SOLVENTS	1 SIME	20 SUP	1 SHIPID
5 SOURCE	1 SOURCES	1 SPACE	3 SPECIAL
1 SPECIFIC	1 SPECIFICALLY	11 SPECIFIED	1 SPEE'D
1 SPILL	5 SPIT	6 SPRAY	1 SPREAD
3 SOT	3 SQUAD	4 SR	<del>27 STANDARDS</del>
1 STABILIZED	2 STAFF	4 STAIRDARD	1 STATED
1 START	1 STARTED	7 STATE	<del>2 STILL</del>
1 STATIC	1 STATION	24 STATUS	1 STIMUL
1 STILL	1 STEPS	1 STICKING	6 STRAPS
1 STOP	1 STORED	3 STOD	1 SUBMIT
2 STRAIGHT	<del>1 STRAIGHT</del>	1 STRAP	1 SUBORDINATE
<del>1 SUBMITTED</del>	4 STRIKE	1 STRUCK	1 SUC
1 SUBTRACTING	1 SUBORDINATIONS	4 SUBORDINATE	1 SUMMARY
3 SUITABLE	1 SUCCESSFULLY	1 SUC4	1 SUPERSEDED
1 SUITCASE	1 SUMARIZED	1 SUMARY	6 SUPPLY
17 SUPERVISOR	1 SUNSET	1 SURE	1 SURVEYED
2 SUPPORTED	2 SUPPLIES	1 SURVEY	1 SHAWS
1 SURGEDN	2 SUPPORTING	2 SUSPECTED	2 SYSTEMS
1 SUSPECT	31 SURVLY	1 TARS	9 TAKE
6 SYSTEM	2 SUSPECTED	1 TALLY	1 TALKED
2 TAB	1 SYSTEMATIC	5 TASK	3 TECHNICAL
10 TACTICAL	3 TABLE	5 TASKS	4 TEMPERATURE
1 TAKES	1 TAG	5 TEARS	9 TEST
1 TANGD	1 TALLEY	1 TERMINALS	7 THAT
3 TASKS	4 TAPE	1 TESTS	1 THEM
6 TDA	24 TEAM	4 THICR	8 THEY
5 TECHNIQUE	4 TECHNIQUES	9 THESE	1 THOUGH
2 TEMPLE	1 TENDENCY	3 THISE	6 THRU
2 TESTED	2 TESTING	9 THROUGH	1 TIGHTENED
45 THAT	712 THE	1 TIGHTEN	<del>1 TIGHTENED</del>
2 THEN	1 THEREFORE	4 TIP	16 TM
1 THINGS	14 THIS	<del>1 TIP</del>	5 TOE
1 THREAT	8 THREE	1 TOLK	2 TOOLS
1 THUMB	2 THIGH	7 TOTAL	1 TOXIC
1 TIGHTENING	13 TIME	23 TRAINING	1 TRAVERSE
2 TIMES	<del>1 TIME</del>	1 TRAVELS	4 TRAVELERS
3 TMS	186 TO	4 TRIPS	2 TURNACK
<del>5 TOP</del>	1 TOLERANCES	2 TURN	1 TWEN
1 TRAC	1 TIPPING	1 TURNLOCK	9 TYPE
1 TRANSPORT	3 TRAINED	1 UNCONTAMINATED	1 UNCORRECTED
1 TREATED	2 TRAVEL	1 UNIDENTIFIED	1 UNLIFE
1 TRUCK	1 TRUHP	14 UNITS	1 UNKNOW
1 TURNED	1 TRY	1 UNSHAP	6 UNTIL
1 TWISTED	1 TURNING		
1 UNDERBUSH	14 TWO		
60 UNIT	1 UNCLEANLINESS		
1 UNLESS	1 UNDERSTOOD		
	9 UNITS		
	3 UNSCRTH		

1 UPDATE  
1 UPWARD  
21 USING  
1 VEGETATION  
1 VERTICALLY  
1 VIBRANTLY  
2 WARNINGS  
9 WATER  
2 WEAR  
1 WEIGHT  
17 WHEN  
21 WILL  
2 WIRE  
1 WOODS  
2 WORKSHEETS  
8 YOU

4 WIMIN  
2 USABLE  
1 UTILIZING  
6 VALVE  
10 VEHICLE  
2 VISIBILITY  
1 WARFARE  
1 WAS  
3 WEARING  
1 WFL  
7 WHERE  
9 WITH  
63 WITH  
1 WURD  
2 WOULD  
1 YANKEE  
22 YOUR

1 UPRIGHT  
20 USE  
1 VALVES  
3 VEHICLES  
1 VISIBLY  
1 WAR4  
1 WASTE  
2 WEAPON  
3 WEATHER  
1 WFC  
29 WHICH  
16 WINDSPEED  
9 WITHIN  
2 WORK  
2 WRITE  
5 YELLOW  
17 ZERO  
2 ZONES

1 UPSIDE  
15 USED  
1 VAPOR  
1 VERIFY  
7 VIAL  
2 VILTAG  
4 WARNING  
2 WATCH  
4 WEAPONS  
1 WEATHERING  
1 WHAT  
1 WHITE  
1 WIFE  
2 WITHOUT  
1 WORKING  
4 WRITTEN  
4 YIELD  
26 ZERO  
10 ZULU

268



712 THE	317 AND	271 OF	112 ABC
106 TO	131 ON	118 IN	06 ARE
107 FOR	46 OR	94 FIGURE	67 AS
63 WITH	78 FROM	77 CHEMICAL	57 LINE
56 HE	60 UNIT	57 EQUIPMENT	45 THAT
50 REPORT	54 IS	54 PERFORMANCE	37 DOWN
40 DEFENSE	47 AN	46 BY	35 NUCLEAR
37 MEASURES	38 AREA	38 FM	32 GIVEN
34 AGENT	34 RADIOLOGICAL	35 DECONTAMINATION	30 LINES
31 SURVEY	30 DATA	33 FALLOUT	23 CONTAMINATION
29 CONDITIONS	29 WHICH	30 EACH	27 STANDARDS
27 AT	27 IF	28 BIOLOGICAL	24 LOCATION
26 ALL	26 DUSE	27 PERSONNEL	24 TEAM
25 GROUPID	25 RADIATION	25 ALARM	23 MAY
24 POINTS	24 REFERENCE	24 CHECK	22 CRAM
24 ZONE	23 ATTACK	24 STATUS	22 YOUR
23 TRAINING	22 CHAP	22 DETECTOR	21 WILL
21 DETERMINE	22 INSURE	22 PREDICTION	20 SEP
20 HAZARD	21 DISTANCE	21 USING	19 POINT
20 USE	20 NOT	20 RISK	18 OVERLAY
18 FOLLOWING	19 HAVE	19 KIT	17 OPERATIONS
18 SITE	18 INDIVIDUAL	18 MAP	17 SUPERVISOR
17 FIG	18 UNITS	18 VEHICLE	16 CENTER
17 PREDICTOR	17 MEASURE	17 DIF	16 IT
17 WHEN	17 RADIAL	17 REQUIRED	16 PLACE
16 CHART	17 ZERO	16 BEFI	15 APFAS
16 JUN	16 COMMANDER	16 EXPOSURE	15 PLOT
16 SITUATION	16 NOTE	16 PAPER	15 USED
15 DA	16 TM	16 WINDSPEED	14 DEFECTION
15 PROTECTIVE	15 PUBLICATIONS	15 PARA	14 PREPARE
14 BOTTLE	14 CONTROL	15 RADIUS	13 FCT
14 INTO	14 MISSION	14 DIGITS	13 REPAIRS
14 RATE	14 FILES	14 TWO	12 APPROPRIATE
13 HAS	13 MONITORING	13 OBTAIN	12 PAGES
13 OPERATIONAL	13 PERFORM	13 READING	11 APC
12 CONT. SITUATED	13 SHOULD	13 TIME	11 INFORMATION
12 PARTY	12 COORDINATES	12 LABEL	11 PREFERENCES
11 CAP	12 REQUIREMENT	11 AFTER	
11 WAT	11 GRID	11 HAND	
11 SORTED	11 OPERATION	11 SPECIFIED	
10 CLOUD	10 BETWEEN	10 CAP	
10 DESIGNATED	10 COMPANY	10 COMPLETED	
10 KT	10 MARK	10 IMP	
10 PHYSICAL	10 INCHES	10 MUST	
10 REMOVE	10 INCHES	10 HAD	
10 SUPERVISE	10 TACTICAL	10 SAMPLING	
		10 ZULU	
			10 GIVE
			10 NUMBER
			10 REFLECT
			9 ANKEX

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MIS WORD LISTING/DESCENDING FREQUENCY

COUNT1 WORDS

COUNT2 WORDS

9 AUTOMATIC	9 BURN	9 COLOR	9 DATE
9 EFFECTIVE	9 MARGINAL	9 POSITION	9 PERFORMANCE
9 TAKE	9 TEST	9 THICK	9 THROUGH
9 TYPE	9 UNITS	9 WATER	9 WIND
9 WITHIN	8 AIR	8 ASSEMBLY	8 AUG
8 CLOTHING	8 MASK	8 GUIDANCE	8 HOURS
8 MAINTENANCE	8 SO	8 PLAYDOWN	8 PUNY
8 THREE	8 YOU	8 STEEL	8 THEY
7 CONDUCT	7 DEGREE	7 DETECTION	7 AUTHORIZED
7 FIELD	7 INCLUDE	7 INSIDE	7 EQUAL
7 JUNE	7 MARCH	7 MARKING	7 ITEMS
7 MUNITIONS	7 NCU	7 ORGANIZATION	7 MINIMUM
7 PRESENCE	7 PRESENT	7 RED	7 PAGE
7 SAMPLES	7 STATE	7 THAN	7 REPLACE
7 VIAL	7 WHERE	6 AR	7 TOTAL
6 ACTUAL	6 AGAINST	6 DESIGNATE	6 ACTION
6 AVAILABLE	6 BUT	6 DOES	6 ASPECTS
6 CURRENT	6 DISMOUNTING	6 FOUR	6 CONNECT
6 DIRECT	6 END	6 LEVEL	6 DETERMINED
6 END	6 EMB	6 METHOD	6 EMERGENCY
6 HIGHER	6 ITS	6 OBTAINED	6 HEADQUARTERS
6 MAXIMUM	6 METERS	6 RADIOMETER	6 MARKERS
6 NO	6 NORTH	6 RESULTS	6 NEEDED
6 POTENTIAL	6 PROTECTION	6 SEMICIRCLE	6 OUT
6 READINGS	6 REQUIREMENTS	6 STRAPS	6 PACIN
6 SEE	6 SELECTED	6 TDA	6 SIMPLIFIED
6 SITES	6 SPRAY	5 HOTH	6 SUPPLY
6 SWITCH	6 SYSTEM	5 CRACKS	6 TROU
6 UNTIL	6 VALUE	5 ESTABLISH	5 ACTIONS
5 ADJUDATE	5 BATTERIES	5 FOLLOWS	5 BRENS
5 BRIEFED	5 CORRECTLY	5 IDENTIFIED	5 CRITERIA
5 CRITICAL	5 DO	5 LR	5 ESTIMATED
5 ETC	5 FIRST	5 MAINTAIN	5 GREASE
5 KMPH	5 HILD	5 OPERATOR	5 JUL
5 LOCAL	5 LAST	5 MISSILE	5 LESS
5 PLATE	5 ONLY	5 RECEIVED	5 METER
5 PROPERLY	5 PLATES	5 SET	5 PLAN
5 ROUTE	5 RADIAC	5 SURFACE	5 PROPER
5 SOURCE	5 SPIT	5 TECHNIQUE	5 REPRESENTS
5 TASK	5 TANK	4 ALONG	5 SIGNS
5 TIE	5 TIP	4 LOANMASTER'S	5 TARGET
4 ACCORDING	4 ACCURATELY	4 LOANMASTER'S	5 YELLOW
4 CALF	4 AMONG	4 LOANMASTER'S	4 ANY
4 CIRCLE	4 CATCHES	4 LOANMASTER'S	4 BEING
4 CONDUCTING	4 CLAY	4 LOANMASTER'S	4 CHECKED
	4 CONTING	4 LOANMASTER'S	4 COMPLETE
	4 DURING	4 LOANMASTER'S	4 DEGREES
		4 LOANMASTER'S	4 EXPECTED

COUNT2 WORDS

COUNT1 WORDS

4 EXPOSED	4 EXTERIOR	4 FILTER	4 FIT
4 FRIENDLY	4 GENERAL	4 GRADIENT	4 INDICATE
4 HIS	4 HOUR	4 IDENTIFY	4 JACKET
4 INSPECT	4 INSTRUCTIONS	4 INTERSECTS	4 MADE
4 LAY	4 LEAST	4 LOCATIONS	4 MORG
4 MAKE	4 MODERATE	4 MONITOR	4 OTHER
4 OVER	4 NEGLIGIBLE	4 NOV	4 PREPARATION
4 PRESELECTED	4 PENCILS	4 PLOTTED	4 PFCOM
4 REFLECT	4 PROCEDURE	4 PROVIDE	4 PRESENTING
4 RIGHT	4 REMARKS	4 RENJERED	4 SCALE
4 SEPARATE	4 ROUTES	4 SAFETY	4 SHOWN
4 SR	4 SERIAL	4 SHIRT	4 SUBORDINATE
4 SUFFICIENT	4 STANDARD	4 STRIKE	4 TAPE
4 TIP	4 SUPPORT	4 SURVEYS	4 THEIR
4 YIELD	4 TECHNIQUES	4 TEMPERATURE	4 UPON
3 ABSENCE	4 THOUPS	4 TROUSERS	4 WRITTEN
3 ACETATE	4 WARNING	4 WEAPONS	3 ABOUT
3 ALTERNATE	3 ACCEPTABLE	3 ACCOMPLISHED	3 ACCORDANCE
3 AVAILABILITY	3 ASSIGNED	3 AIRCRAFT	3 ALARIS
3 BEFORE	3 AZIMUTH	3 ATTACKED	3 ATTACKS
3 BLUE	3 BELLOA	3 BENDING	3 BATTERY
3 CHECKS	3 BOTTOM	3 CASE	3 BLACK
3 COMMAND	3 CLAMPS	3 COILING	3 CATEGORY
3 CONCEALMENT	3 COMMUNICATION	3 COMPLETION	3 COLIMN
3 COVERED	3 CONSTRUCT	3 CONTINUOUS	3 COMPONENTS
3 DECONTAMINATED	3 CUMULATIVE	3 DASHED	3 COVER
3 DETAILED	3 DECONTAMINATING	3 DESCRIBED	3 DESIRED
3 DUBBLE	3 DETECTED	3 DEVELOP	3 DIRECTED
3 ENTERED	3 DUNJAGE	3 DURATION	3 ENEMY
3 EXAMPLES	3 EVALUATE	3 EVELLY	3 EXAMPLE
3 FIRMLY	3 EXCEED	3 FACILITIES	3 FILL
3 FREE	3 FORTAT	3 FORMS	3 FOXPOT
3 GREEN	3 GLOVES	3 GUIDE	3 GREATER
3 HEAD	3 GROUP	3 IMPREGNITE	3 HAIRLINE
3 INDEX	3 INDICATED	3 INFORM	3 INCLUDED
3 INSTALL	3 INTELLIGENCE	3 INTEREST	3 INITIAL
3 KITS	3 KM	3 LEFT	3 KILOMETERS
3 LOOSE	3 MESSAGE	3 METEOROLOGICAL	3 LEFT
3 MISSING	3 MODEL	3 MONTH	3 MINUTES
3 MORE	3 NORMALLY	3 NEAR	3 MOVEMENT
3 OPERATE	3 ORDERED	3 OFF	3 NECESSARY
3 PAF	3 PARALLEL	3 ORGANIZATIONAL	3 OFFICER
3 PERMIT	3 PERPENDICULAR	3 PLUS	3 PAD
3 POST	3 PROVIDED	3 REACTIVE	3 PERIOD
3 RULFETS	3 REQUEST	3 RETURN	3 PORTABLE
3 SAMPLE	3 SCHOOL	3 SECURE	3 POTATE
			3 SELECTION

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2 OPERATORS  
2 ORDERS  
2 PAPA  
2 PERIODICALLY  
2 PLANNING  
2 POSTS  
2 PHEDOPERATIONAL  
2 PURPOSES  
2 RECONVINTERED  
2 REPORTING  
2 RESPONSIBILITIES  
2 RUSTER  
2 SINGLE  
2 STRAIGHT  
2 SUSPECTED  
2 TEMPLE  
2 TIGHT  
2 TURN  
2 VOLTAGE  
2 WEAR  
2 WORKSHEETS

2 OPERATING  
2 ORGANIZE  
2 PARTS  
2 PLA  
2 PLATING  
2 POSTURE  
2 PRESORIBING  
2 PRIMARY  
2 QJA  
2 RECORDS  
2 REQUIRES  
2 REST  
2 SERIOUS  
2 SKIN  
2 SUPPLIES  
2 SYSTEMS  
2 TESTED  
2 TIMES  
2 TURNBACK  
2 WARNINGS  
2 WIRE  
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2 ORDER  
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2 PAST  
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2 PREVAILING  
2 PROVIDES  
2 RAINSHIELD  
2 REIMPREGNATION  
2 RESERVOIR  
2 RESULTING  
2 RUST  
2 SERVICEABLE  
2 STAFF  
2 SUPPORTED  
2 TESTING  
2 TOOLS  
2 WATCH  
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2 ORDERING  
2 PAM  
2 PERFORMED  
2 PLACING  
2 POSITIONED  
2 PREDICTIONS  
2 PREVENTIVE  
2 PROVIDING  
2 REACHED  
2 RELEVANT  
2 RESOURCES  
2 REVISED  
2 SAMPLED  
2 SHOW  
2 STILL  
2 SUPPORTING  
2 TAR  
2 THEY  
2 TRAVEL  
2 USABLE  
2 VISIBILITY  
2 WEAPON  
2 WORK  
2 ZONES

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1 ACTIVE  
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1 ALIGN  
1 ALMOST  
1 ANALYSIS  
1 ANOTHER  
1 APPOINT  
1 ARTILLEY  
1 ASSIST  
1 ATTENDED  
1 AWAY  
1 BAIL  
1 BEEP  
1 BEARD  
1 BOUNDARY

1 ACCESSIBLE  
1 ACCUMULATED  
1 ACTIVITIES  
1 ADDITIVE  
1 AFFECT  
1 AGING  
1 ALLOCATE  
1 AMPL  
1 APPARATUS  
1 AREN'T  
1 ASCERTAIN  
1 ATON  
1 ATTENTION  
1 AZIMUTHS  
1 BARS  
1 BLAUSE  
1 BUCKING  
1 BUCK  
1 BREATHE

1 ABILITY  
1 ACCESSORIES  
1 ACCUPACY  
1 ACTIVITY  
1 ADMINISTRATIVE  
1 AFFIXING  
1 AIDS  
1 ANESTHETIC  
1 APPLICANT  
1 ARRIVAL  
1 ASK  
1 ATPLATON  
1 AVERAGE  
1 BATTALIONS  
1 BENCH  
1 BUCKBENDERS  
1 BURNS

1 ABSORBENTS  
1 ACCOMPLISH  
1 ACID  
1 ADAPTER  
1 ADVICE  
1 AGAIN  
1 AIRSPACE  
1 ALLOWANCE  
1 ANNOTATED  
1 APPLYING  
1 ARRIVE  
1 ASSEMBLY  
1 ATTACHED  
1 AVOID  
1 BACK  
1 BELT  
1 BELL  
1 BUCKETS  
1 BUCKETS



DATE 00110 1744 PAGE  
COUNTS WORDSMIS WORD LISTING/DESCENDING FREQUENCY  
COUNTS WORDS

COUNTS WORDS

1 GLASS

1 GOOD

1 GRIT

1 HANDBOOK

1 HANDLED

1 HEALTH

1 INDICATORS

1 INFORMED

1 INSTALLATION

1 INSULATION

1 INTERSECT

1 INVESTIGATIONS

1 JOG

1 KNEE

1 KNOWLEDGE

1 LABORATORY

1 LARGE

1 LEAK

1 LEAVE

1 LEVELS

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1 LIST

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1 HABITUALLY

1 HANDLING

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1 HEARING

1 ILLNESS

1 IMPLEMENTATION

1 INDICATES

1 INDUCED

1 INJURY

1 INSTEAD

1 INTERFERE

1 INVASION

1 KEEP

1 KNOTS

1 LABELS

1 LAMP

1 LEADER

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1 PERFORMING  
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1 PREPARED  
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1 SPREAD  
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1 PROGRESS  
1 PUMP  
1 QUART  
1 RAPIDLY  
1 PEAR  
1 RECLASSIFICATION  
1 RECOVERY  
1 REGISTER  
1 REPLACEMENT  
1 REMOTE  
1 RESULT  
1 ROCKET  
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1 TOLERANCES	1 TOPPING	1 TOXIC
1 TRACE	1 TRANSPORT	1 TRAVELS
1 TRAVERSED	1 TROOP	1 TRUCK
1 TRY	1 TURNING	1 TURNLOCK
1 TWENTY	1 UNDERPUSH	1 UNCLEANLINESS
1 UNCONTAMINATED	1 UNDERSTOOD	1 UNDERSTOOD
1 UNIDENTIFIED	1 UNIFORM	1 UNLESS
1 UNSHAP	1 UPRIGHT	1 UPSIDE
1 UPWIND	1 VALVES	1 VAPOR
1 VEGETATION	1 VERTICALLY	1 VAPOR
1 VIGOROUSLY	1 WASTE	1 WAREFARE
1 WARM	1 WELL	1 WARE
1 WEATHERING	1 WIPE	1 WORKS
1 WHAT	1 WORK	1 WORKING

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## APPENDIX 8

### ENGLISH LANGUAGE STRUCTURES AND LEXICON

The following list is included as an addition to the structural and lexical list. These structures and lexical items are very basic.  
(See Section II for discussion.)

## LIST OF LEXICAL AND STRUCTURAL ITEMS FOR ENGLISH LANGUAGE STRUCTURES

### Sentences:

- |                  |                         |
|------------------|-------------------------|
| A. Declarative   | statement               |
| B. Interrogative | question                |
|                  | 1. wh- questions        |
|                  | 2. tag questions        |
|                  | 3. yes/no questions     |
| C. Imperative    | command, polite request |
| D. Exclamatory   | exclamation             |

### Sentence Complexity:

- |                     |   |
|---------------------|---|
| A. Simple           | one full subject and predicate                                    |
| B. Compound         | two or more independent clauses joined by:                        |
|                     | 1. punctuation  |
|                     | 2. punctuation and conjunctive adverb                             |
|                     | 3. coordinate conjunction   |
| C. Complex          | one or more dependent clauses and an independent clause           |
| D. Compound-Complex | two or more independent clauses and one or more dependent clauses |

### Verbs:

- |                            |   |
|----------------------------|---|
| A. Concord                 | subject-verb agreement  |
| B. Transitive              | takes an object   |
| C. Intransitive            | doesn't take an object  |
| D. Copula                  | to be   |
| E. Linking                 | connectors  |
| F. Auxiliaries of tense    | will, do, did   |
| G. Auxiliaries of modality | should, ought to, must to, have to, have got to, able to, can, may, might, could, would |
| H. Tense                   | present, past   |
| I. Aspect                  | perfect, progressive  |

### Verbal Forms:

- |                       |               |
|-----------------------|---------------|
| A. Present Participle | active voice  |
| B. Past Participle    | passive voice |

### Voice:

- |                        |                            |
|------------------------|----------------------------|
| A. Active              | subject does action        |
| B. Passive             | subject does not do action |
| 1. agent expressed     |                            |
| 2. agent not expressed |                            |

**Nouns:**

A. Singular	man, pen
B. Plural	men, pens
C. Count	chairs
D. Mass	flour
E. Possessive	soldier's
F. Collective	fish

**Adjectives:**

A. Predicative	The tank is green.
B. Attributive	The green tank is moving.
C. Degrees of comparison	
1. regular	big, bigger
2. irregular	worse, worst
D. Ordinal/Cardinal Numbers	first, one

**Adverbs:**

A. Time/Frequency	immediately, today, ago
B. Place/Position	here, there, everywhere
C. Manner	maybe, possibly
D. Negative	no, never
E. Comparison of	nearest, harder
F. Degree	thoroughly, completely

**Articles:**

A. Definite	a, the
B. Indefinite	any, some

**Pronouns:**

A. Personal	you
B. Demonstrative	that
C. Indefinite	anybody, both, each
D. Reflexive	himself, yourself
E. Cases of	I, me, my, mine
F. Relative	who, whom, whose
G. Interrogative	who, which, what

**Conjunctions:**

A. Coordinating	and, but, or, nor
B. Subordinating	because, if, as, that, after
C. Correlative	either, or
D. Conjunctive adverb	therefore, furthermore

**Prepositions:**

**A. Simple**

- |                                  |            |
|----------------------------------|------------|
| 1. place                         | on, in     |
| 2. time                          | in, at, on |
| 3. direction/motion              | to         |
| 4. manner/agent/<br>instrument   | by, with   |
| 5. measurement/<br>number amount | of         |

**B. Compound:**

according to, because of, by means

**Vocabulary:**

words from 1100 through 2400 -  
Elementary and Intermediate Phase of General  
English materials

**Special Expressions/Idioms**

"knock it off" "can it, buddy"

**Verb Combinations**

two word verbs